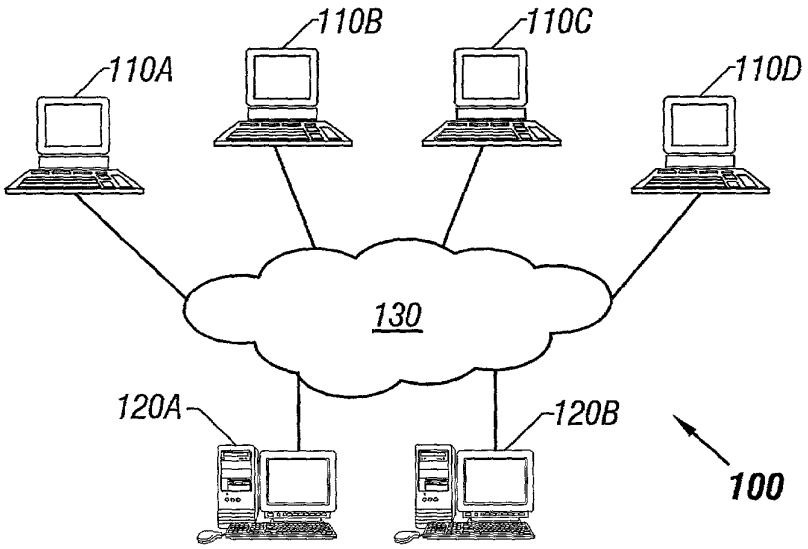


FIG. 1A
(Prior Art)

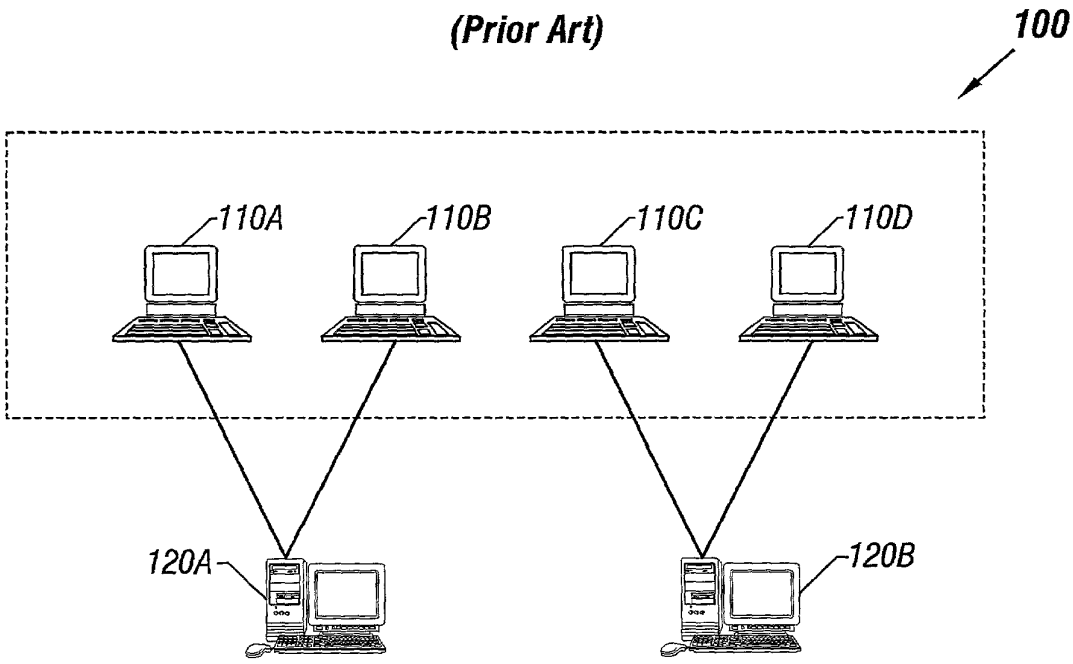


FIG. 1B
(Prior Art)

EXPRESS MAIL NO. EV339526545US

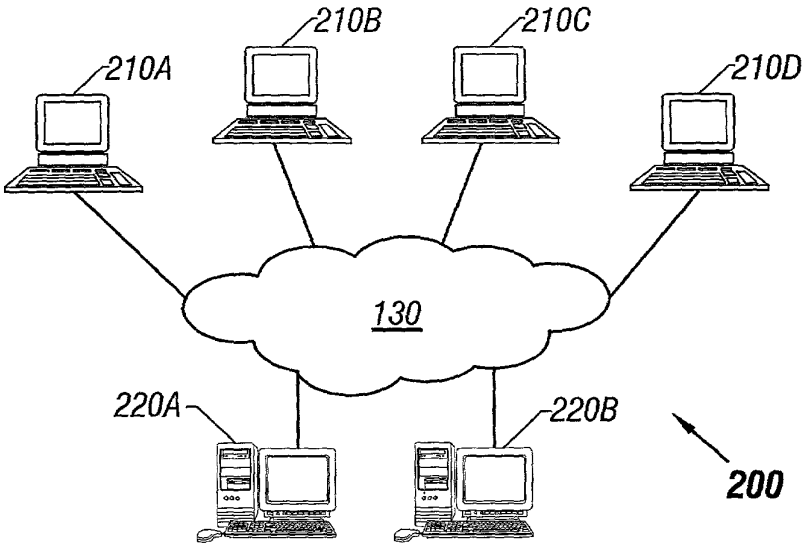

210B
210C
210A
210D
130
220A
220B
200

FIG. 2A

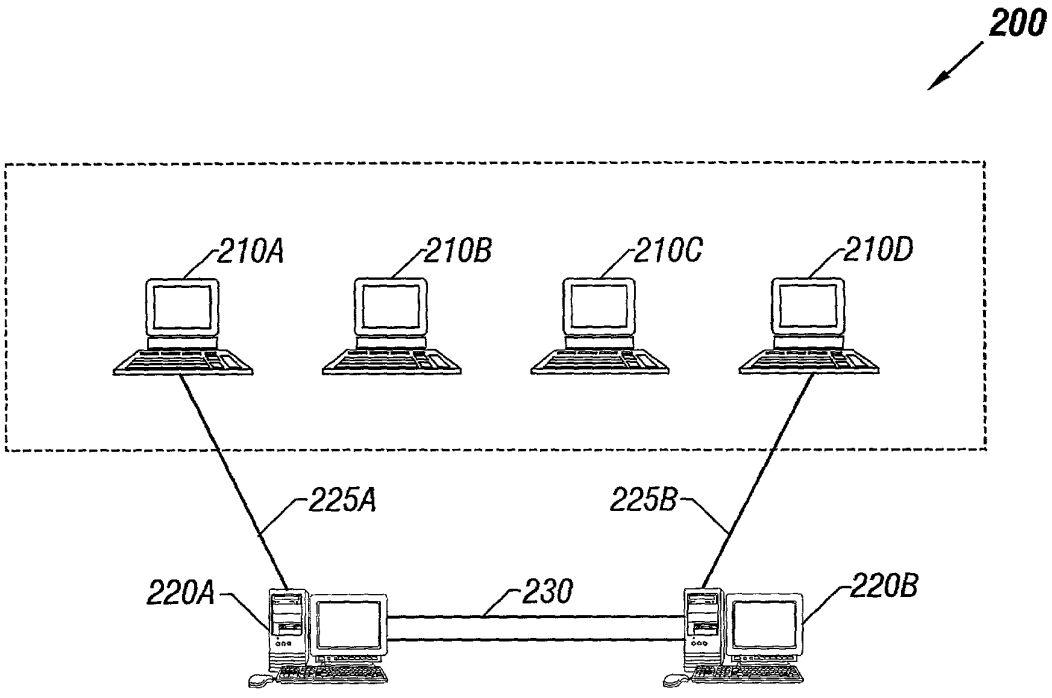
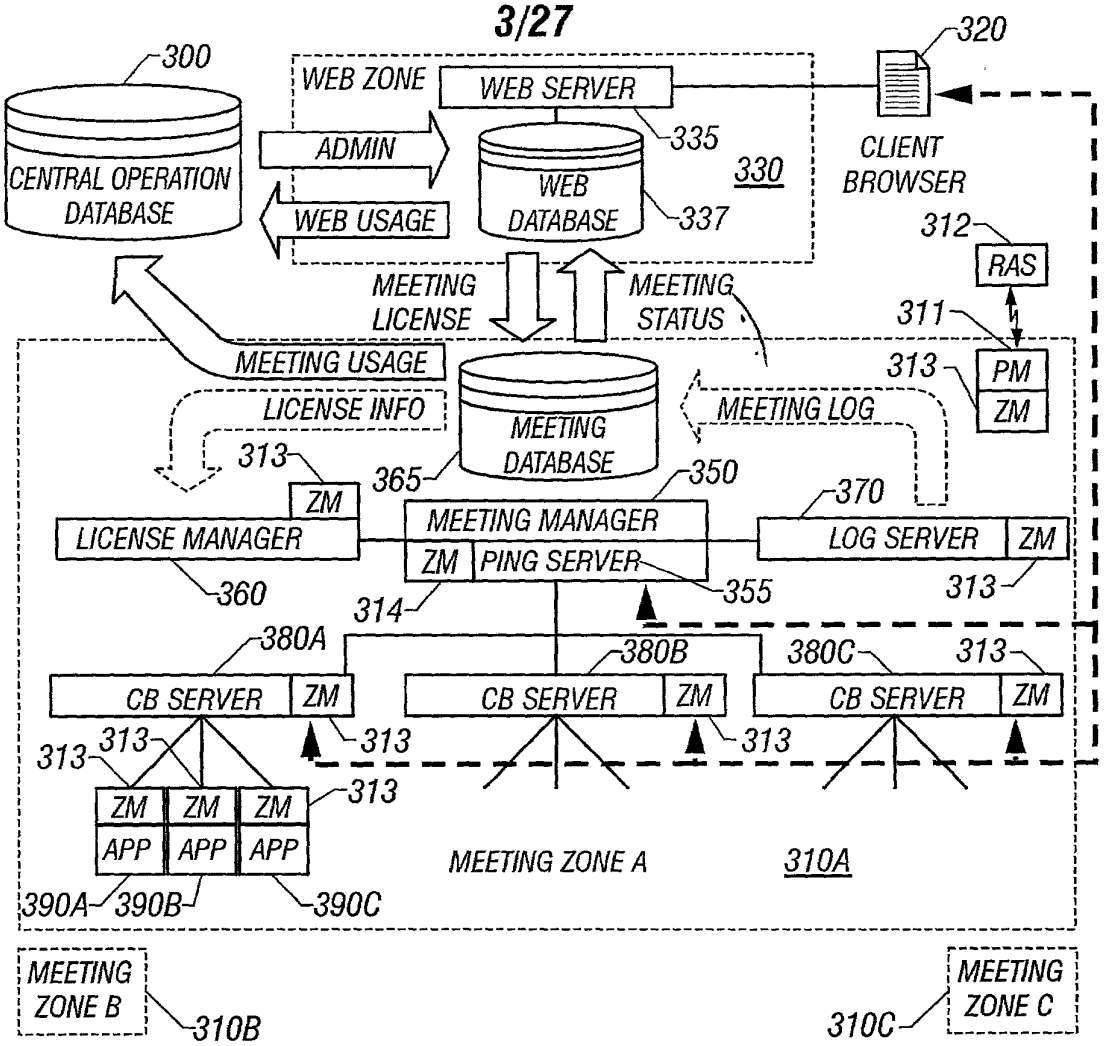

200
210A
210B
210C
210D
225A
225B
220A
230
220B

FIG. 2B


300
CENTRAL OPERATION DATABASE
WEB ZONE
WEB SERVER
335
ADMIN
WEB USAGE
WEB DATABASE
337
330
320
CLIENT BROWSER
312
RAS
311
313
PM
ZM
MEETING LICENSE
MEETING STATUS
MEETING USAGE
LICENSE INFO
MEETING DATABASE
365
MEETING LOG
313
ZM
350
370
LICENSE MANAGER
MEETING MANAGER
ZM
PING SERVER
LOG SERVER
ZM
360
355
313
314
380A
380B
380C
313
CB SERVER
ZM
CB SERVER
ZM
CB SERVER
ZM
313
313
313
313
ZM
ZM
ZM
APP
APP
APP
313
MEETING ZONE A
310A
390A
390B
390C
MEETING ZONE B
310B
310C
MEETING ZONE C

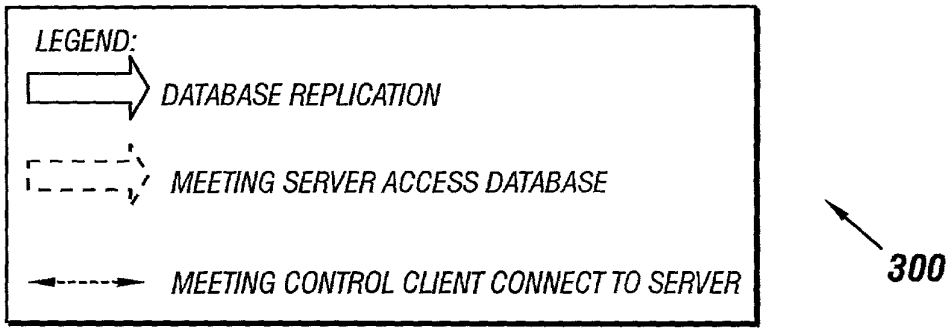

LEGEND:
DATABASE REPLICATION
MEETING SERVER ACCESS DATABASE
MEETING CONTROL CLIENT CONNECT TO SERVER
300

FIG. 3

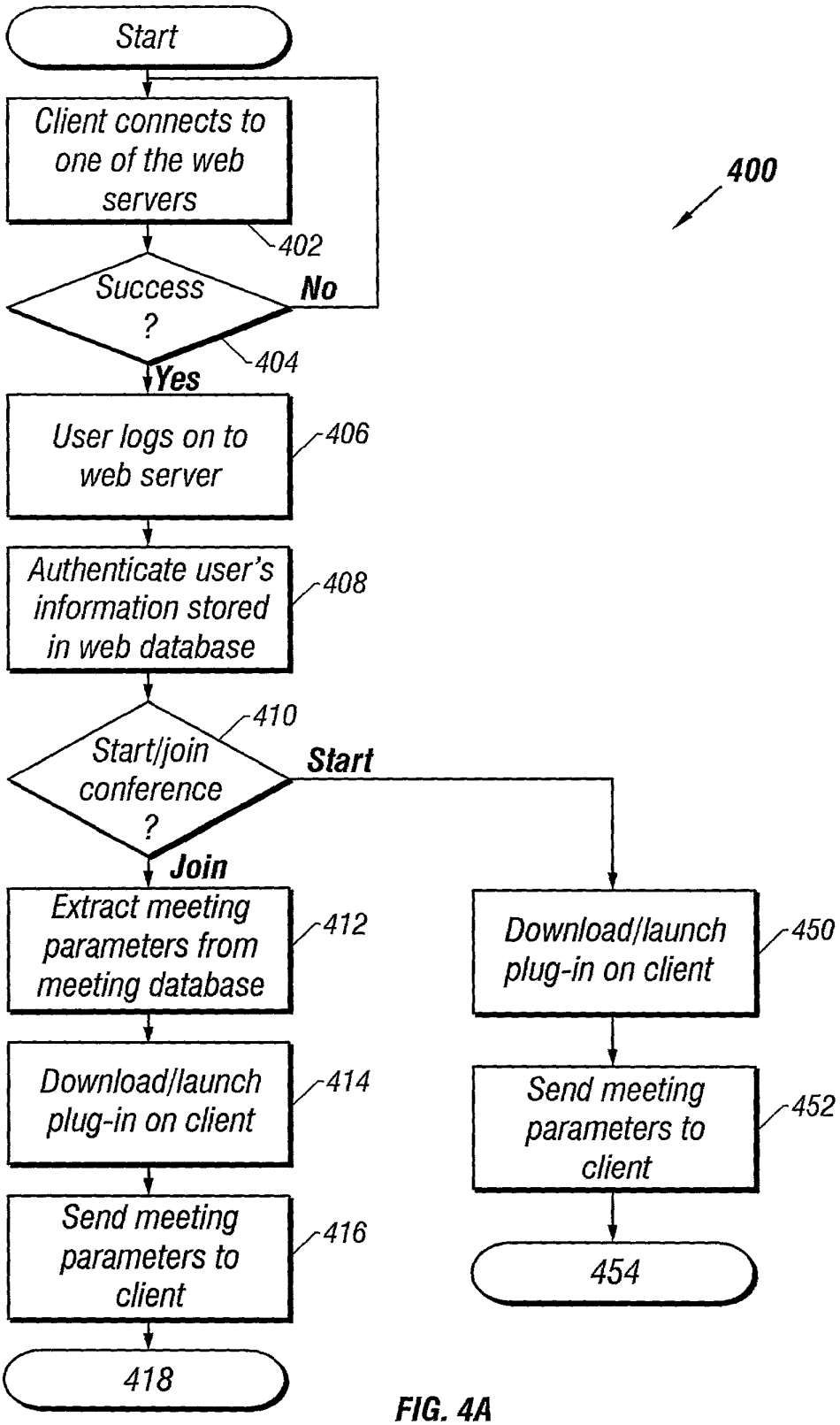


FIG. 4A

Express Mail Label No. EV339369654US

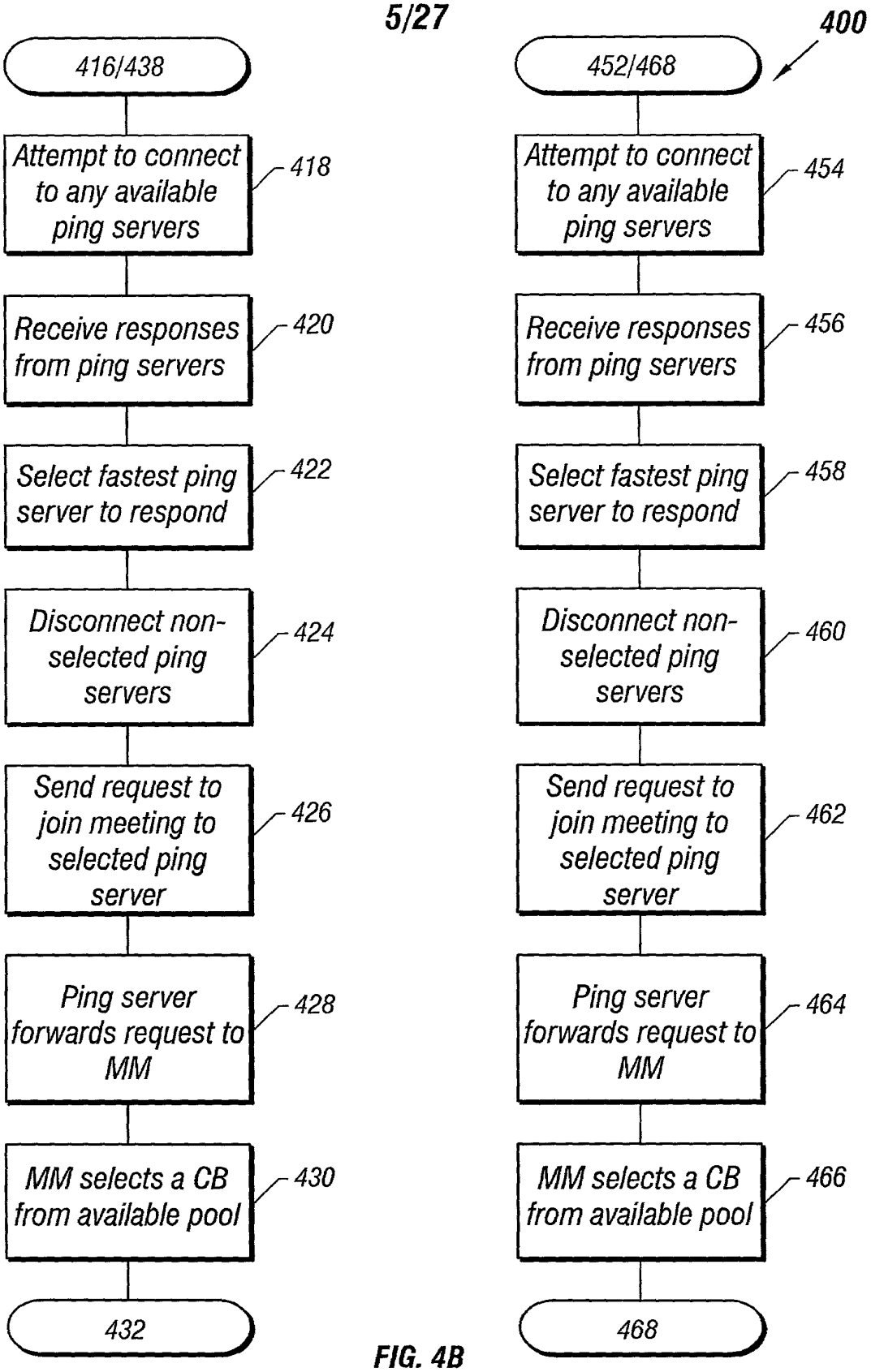


FIG. 4B

Express Mail Label No. EV339926525US

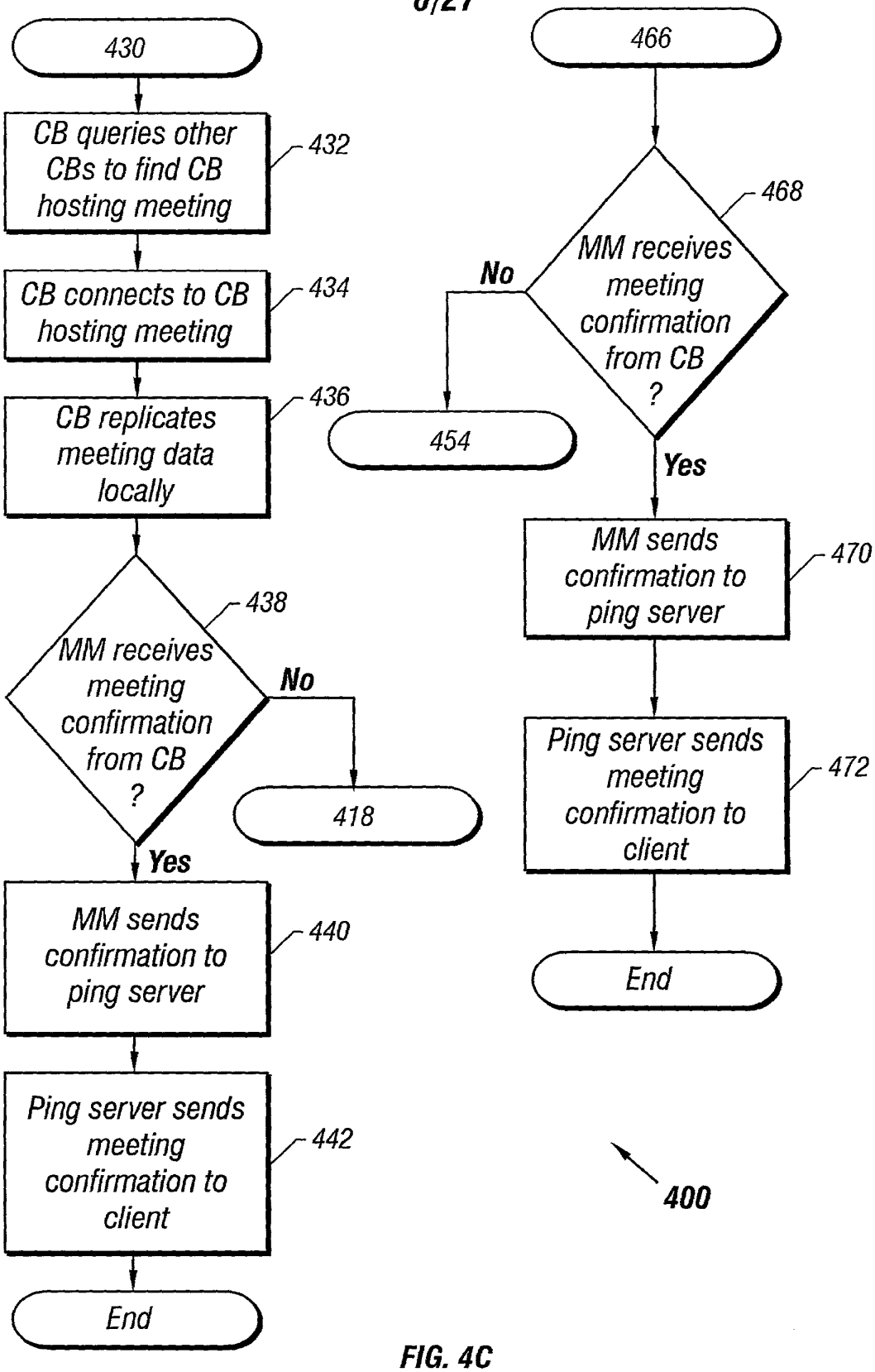


FIG. 4C

Express Mail Label No. EV339135360

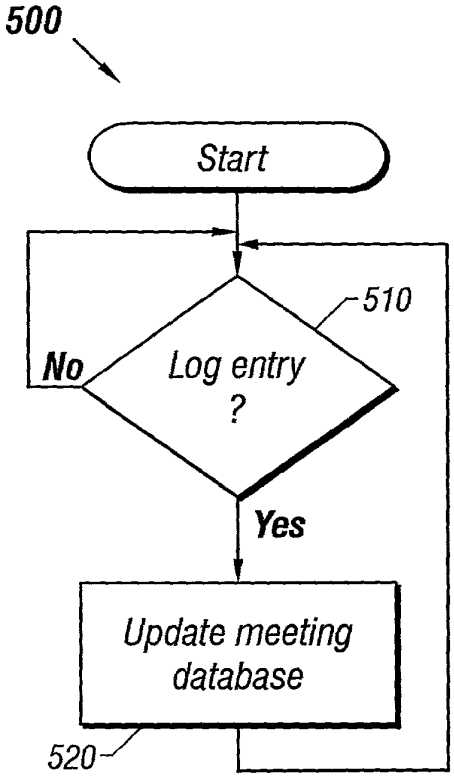

500
Start
510
Log entry ?
No
Yes
Update meeting database
520

FIG. 5

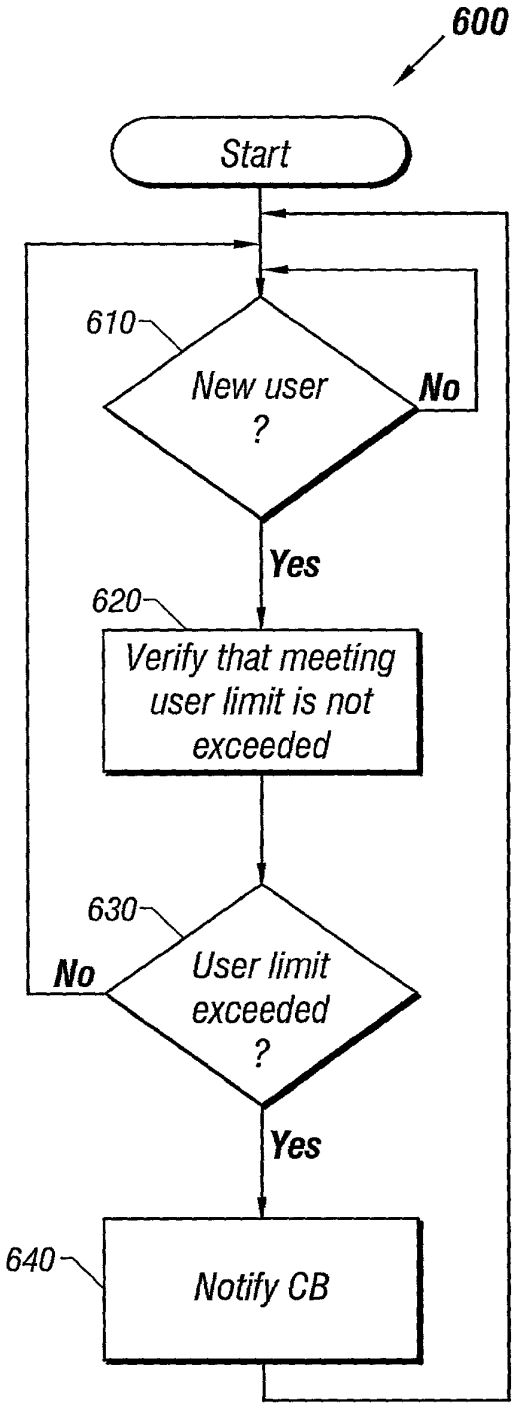

600
Start
610
New user ?
No
Yes
620
Verify that meeting user limit is not exceeded
630
User limit exceeded ?
No
Yes
640
Notify CB

FIG. 6

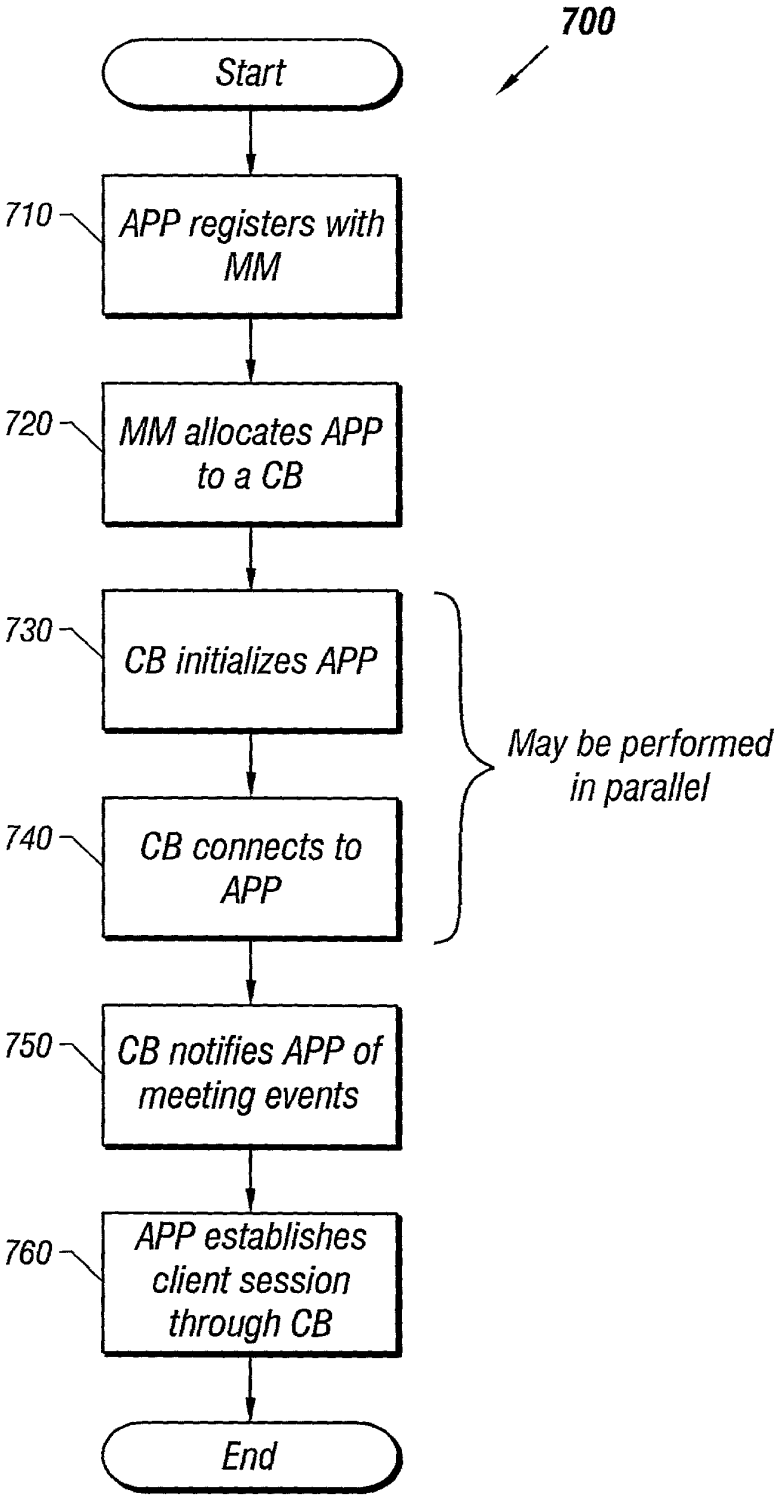


FIG. 7

Docket No. M-8858 US

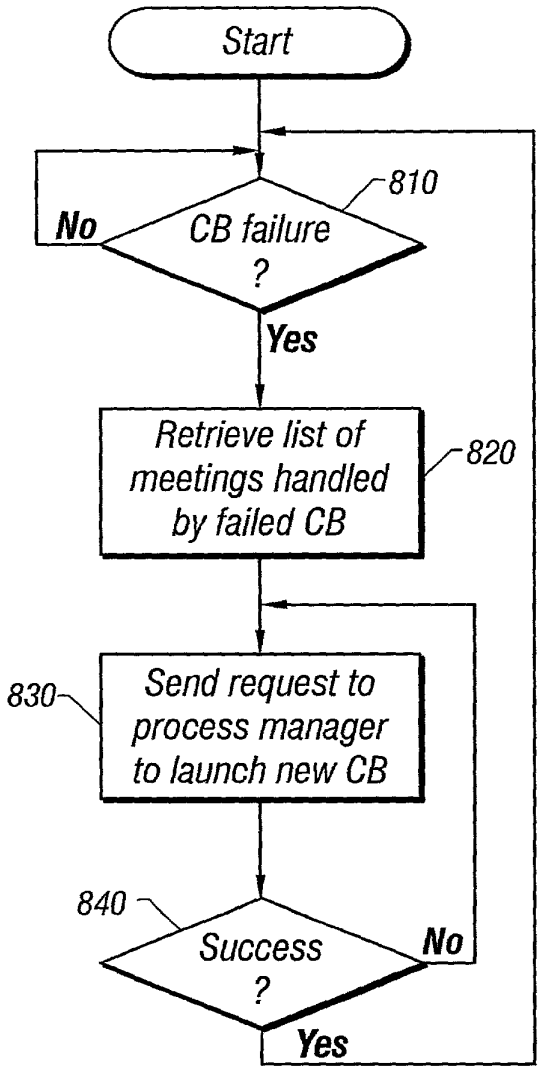


FIG. 8

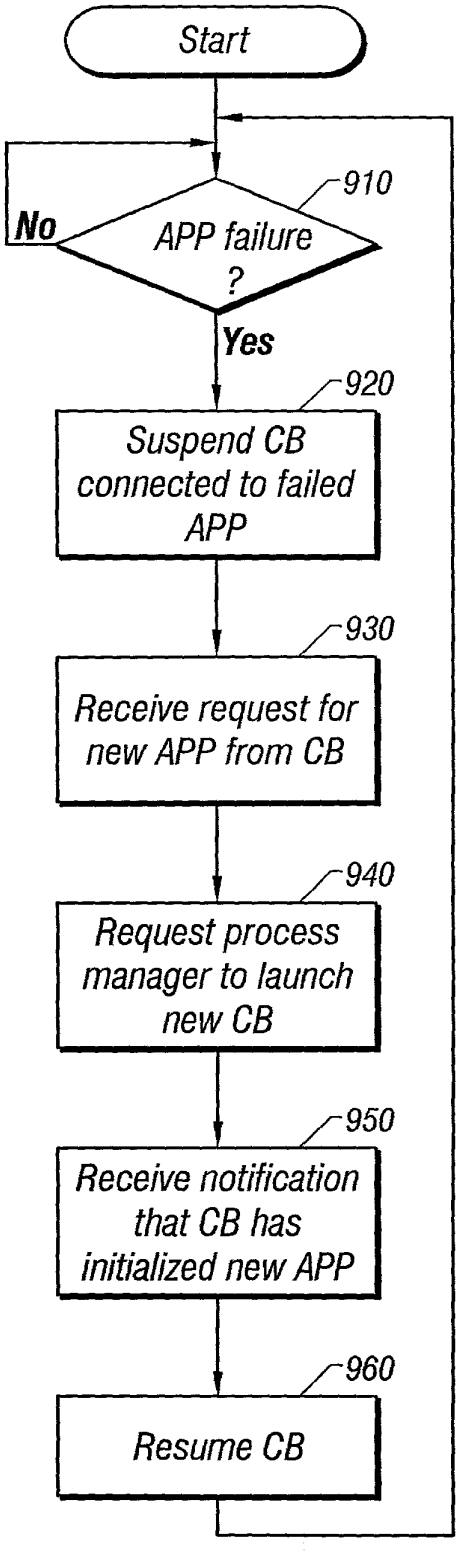


FIG. 9

Express Mail Label No. EV339955426US

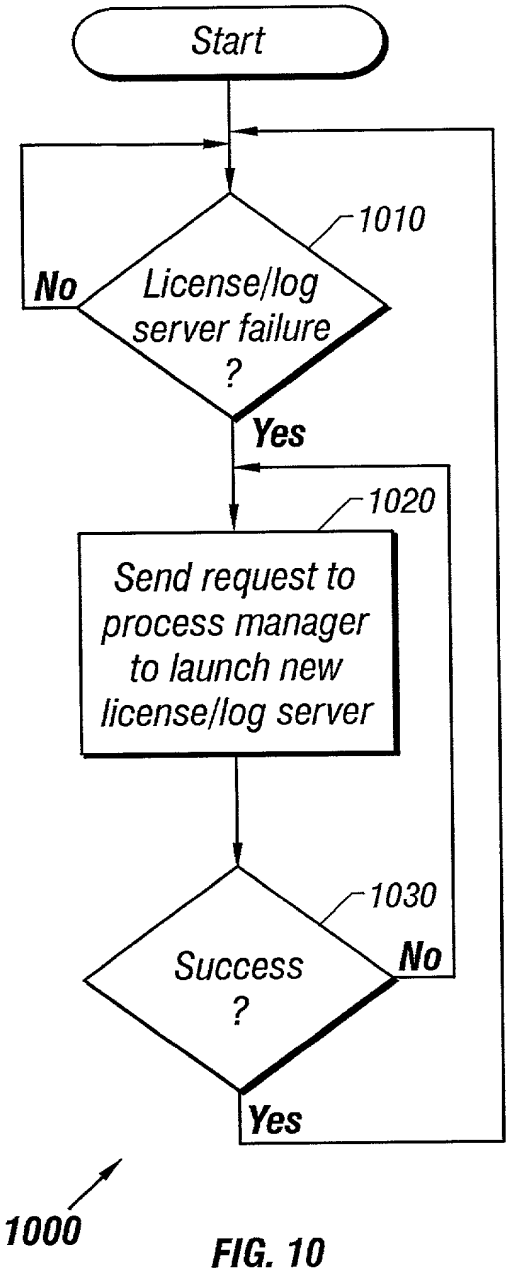

Start
1010
No
License/log server failure ?
Yes
1020
Send request to process manager to launch new license/log server
1030
Success ?
No
Yes
1000

FIG. 10

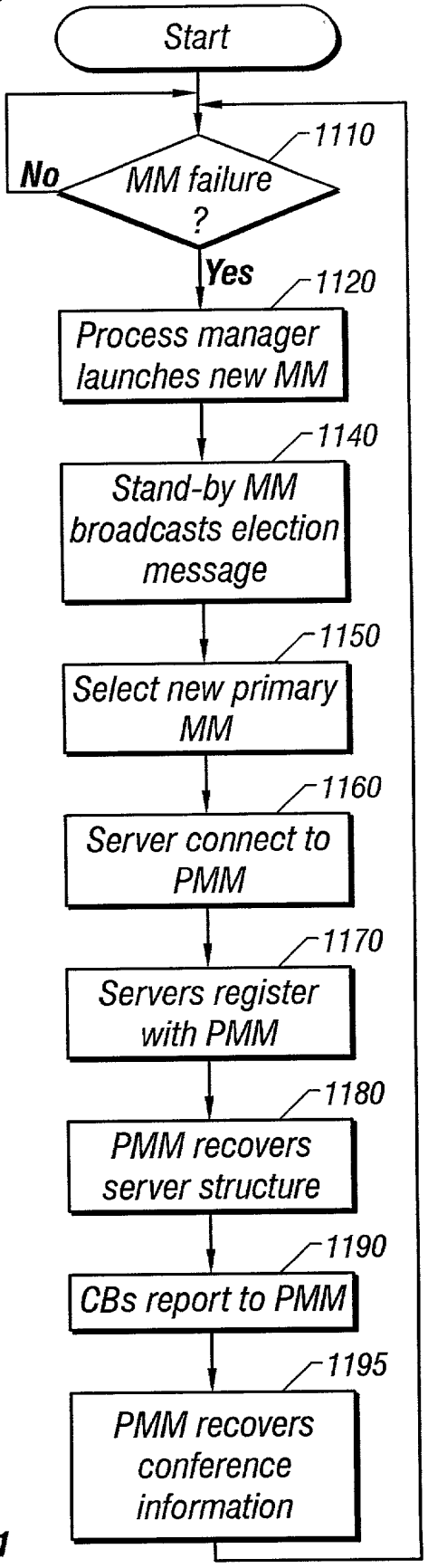

Start
1110
No
MM failure ?
Yes
1120
Process manager launches new MM
1140
Stand-by MM broadcasts election message
1150
Select new primary MM
1160
Server connect to PMM
1170
Servers register with PMM
1180
PMM recovers server structure
1190
CBs report to PMM
1195
PMM recovers conference information
1100

FIG. 11

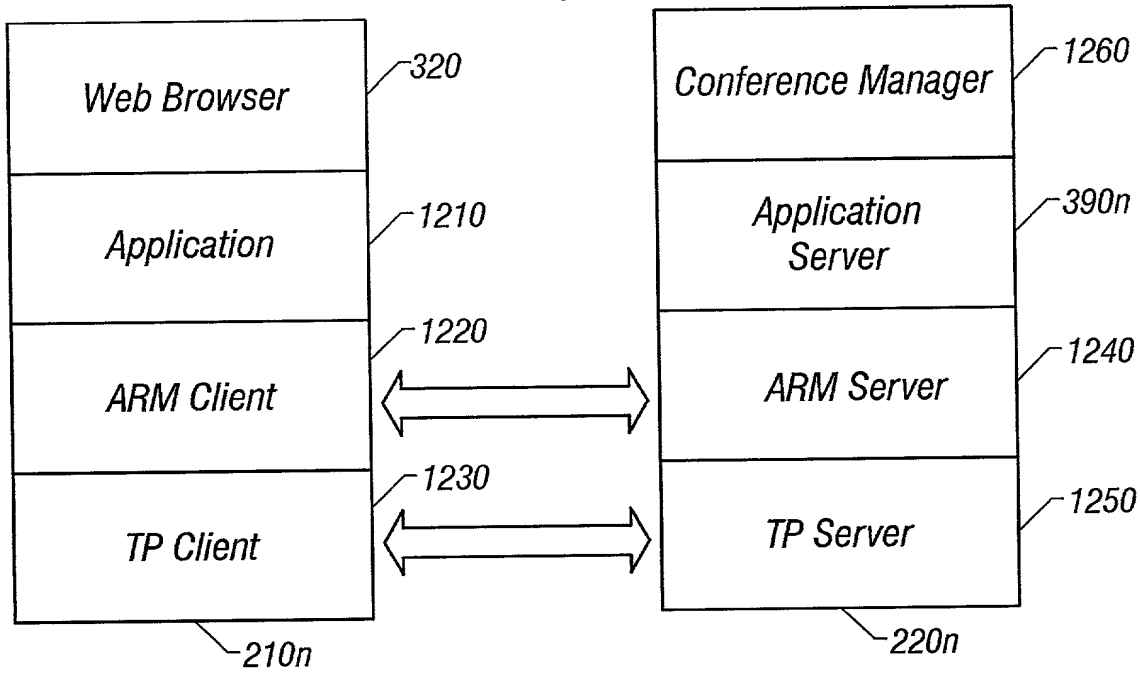


FIG. 12

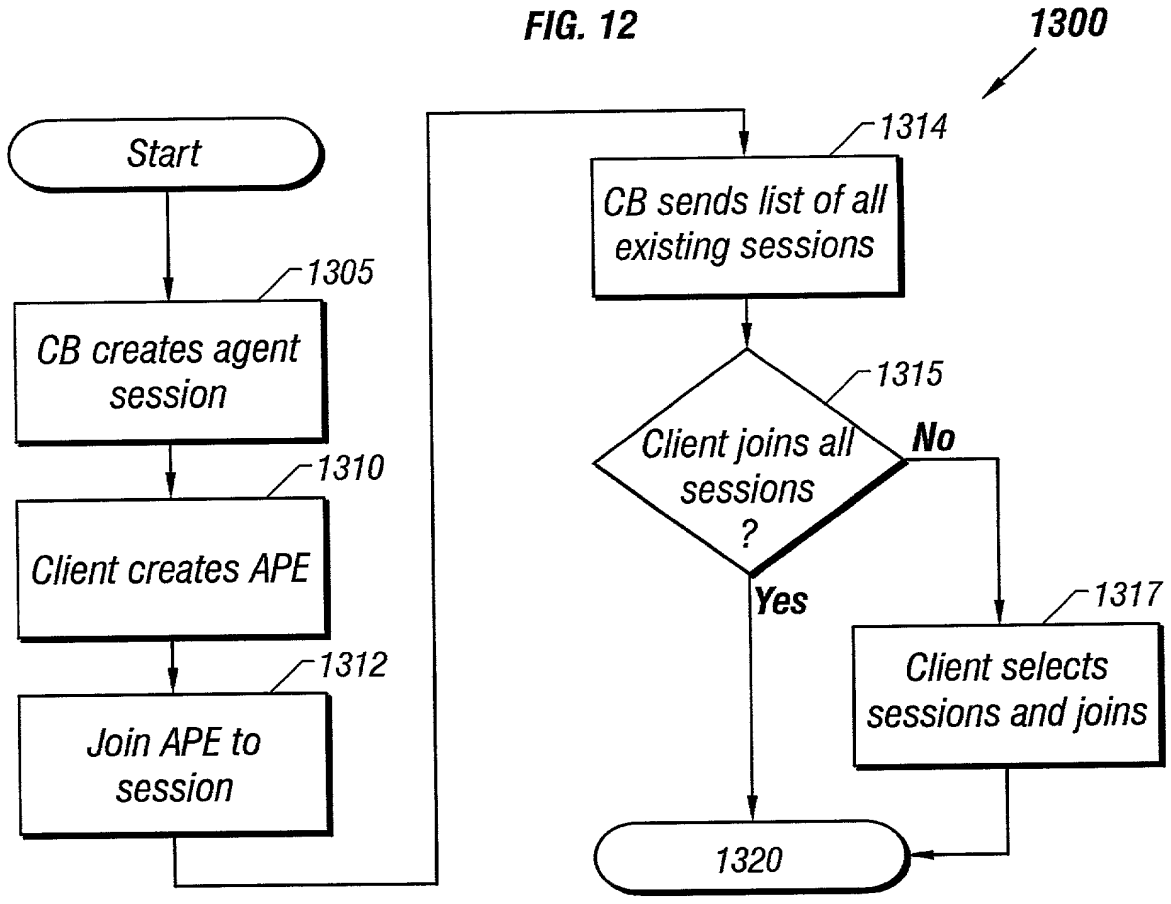


FIG. 13A

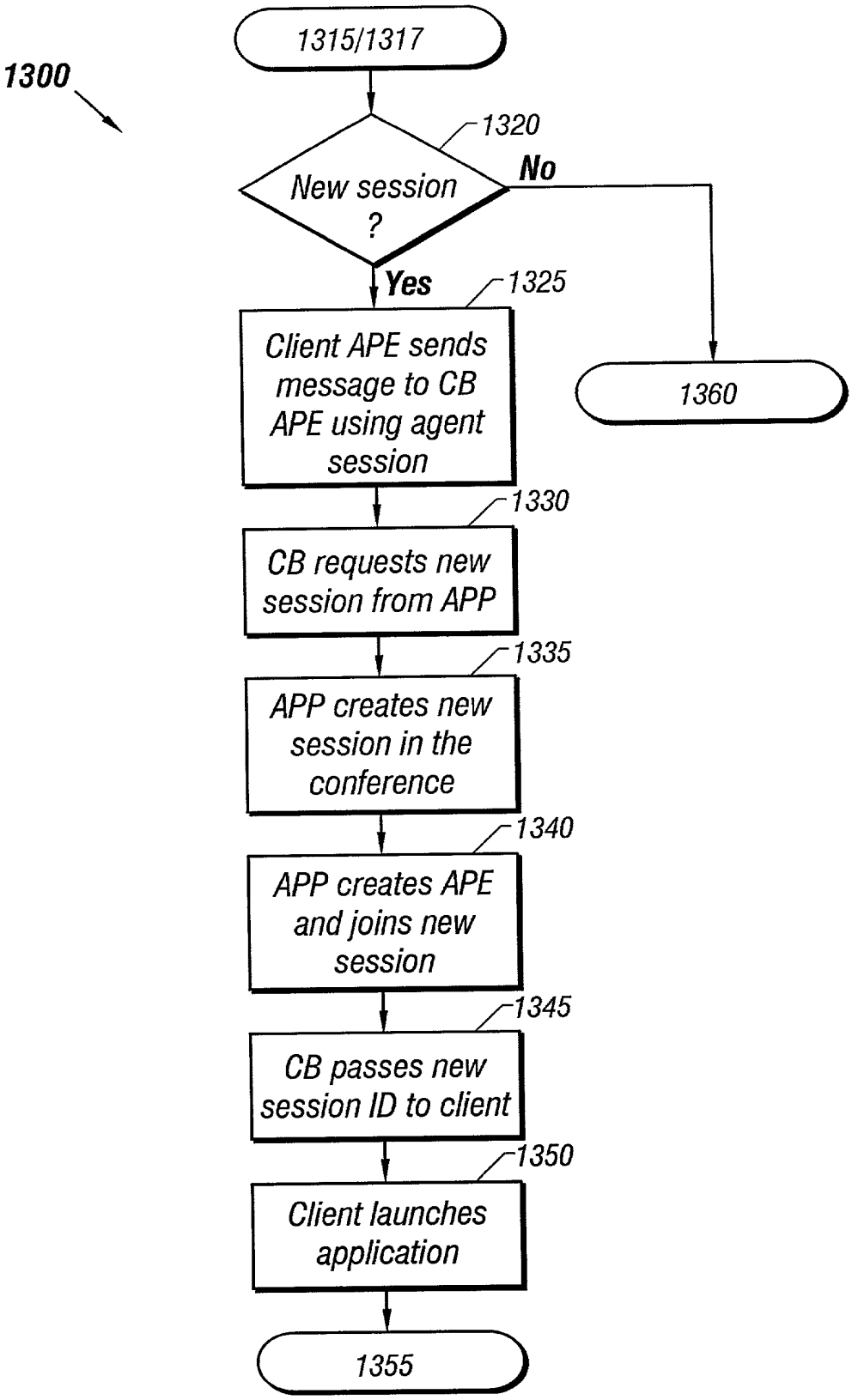


FIG. 13B

Microsoft Exhibit 1005, Page 0055

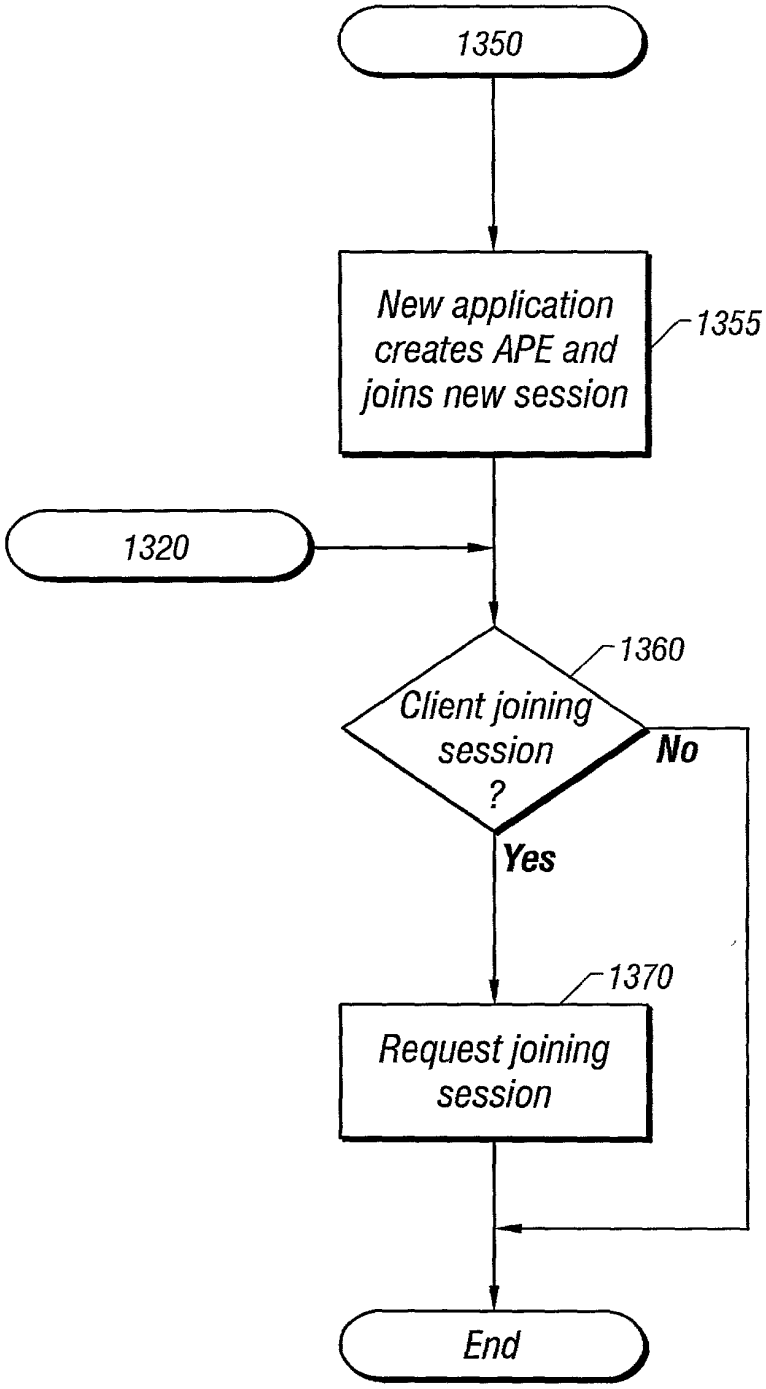


FIG. 13C

Page 13 of 27

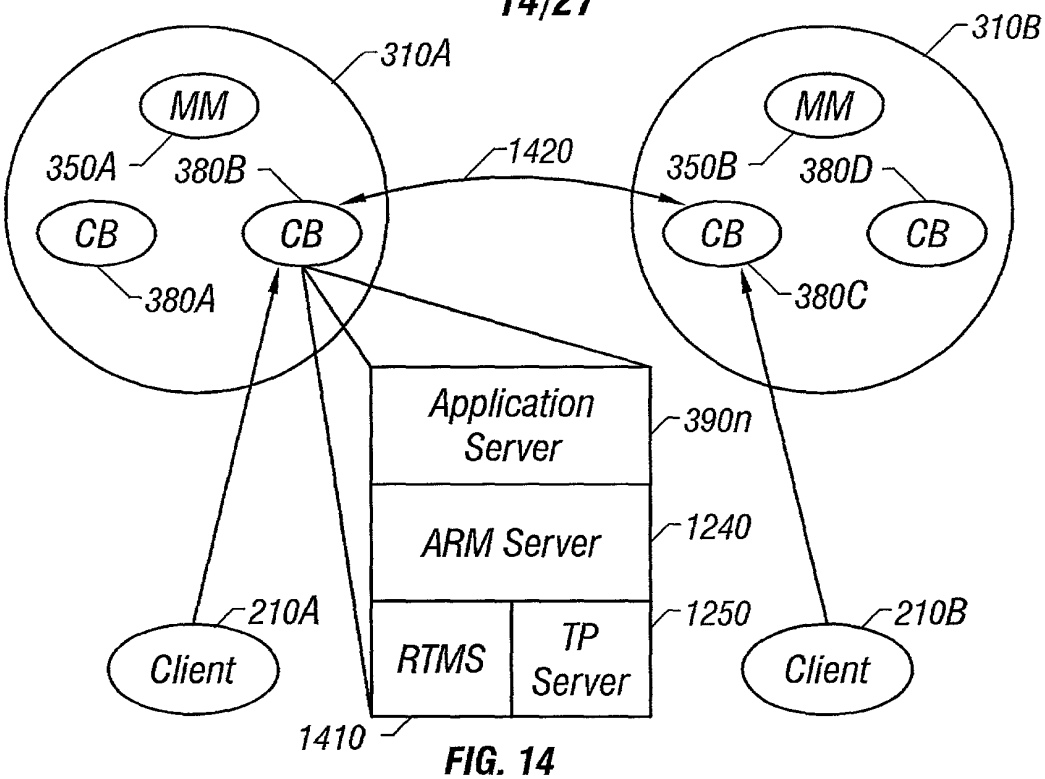


FIG. 14

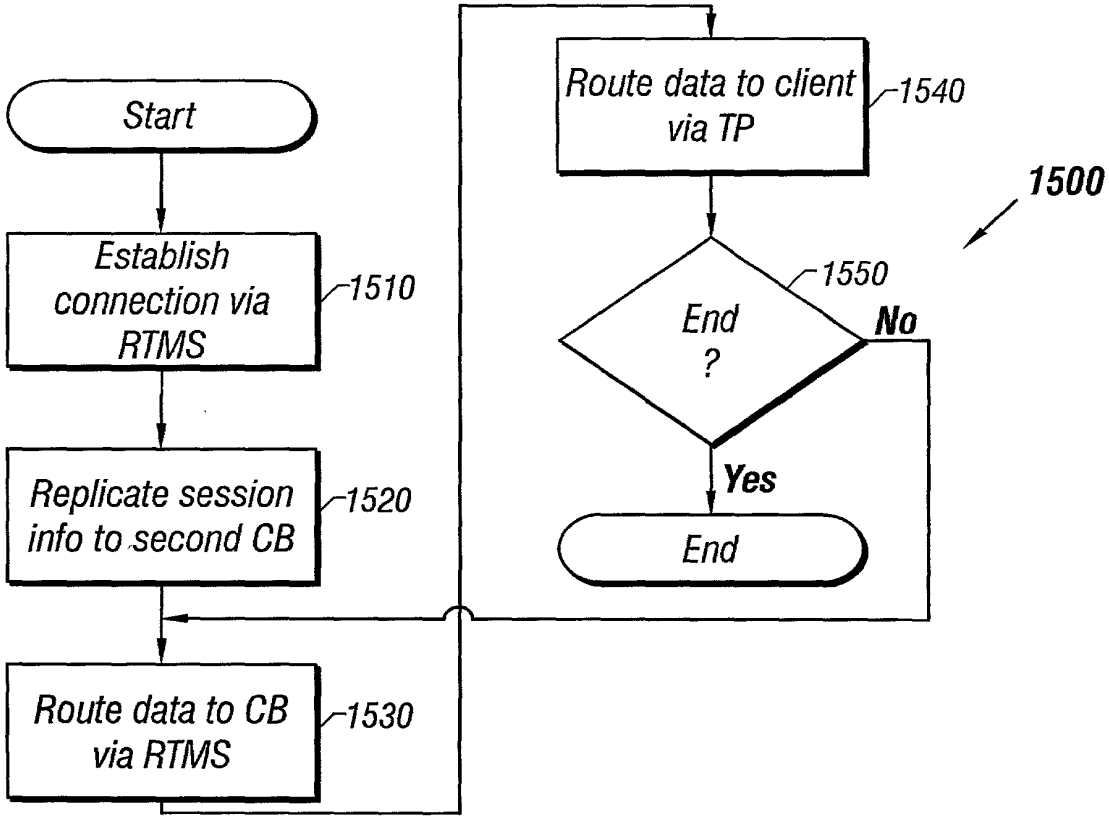


FIG. 15

Express Mail Label No. EV339955439US

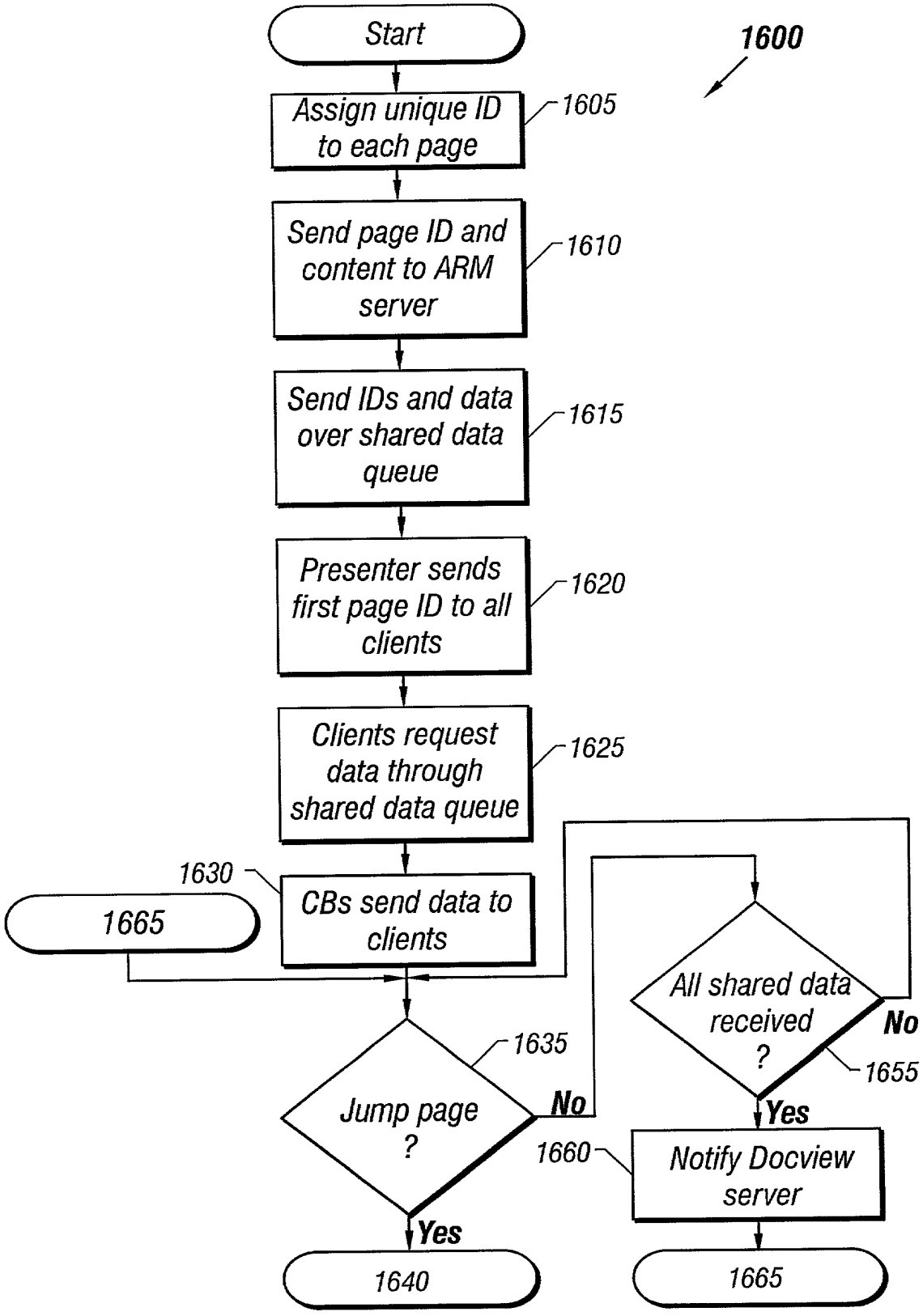

Start
1600
Assign unique ID to each page
1605
Send page ID and content to ARM server
1610
Send IDs and data over shared data queue
1615
Presenter sends first page ID to all clients
1620
Clients request data through shared data queue
1625
1630
1665
CBs send data to clients
All shared data received ?
No
1655
Yes
1635
Jump page ?
No
1660
Notify Docview server
Yes
1640
1665

FIG. 16A

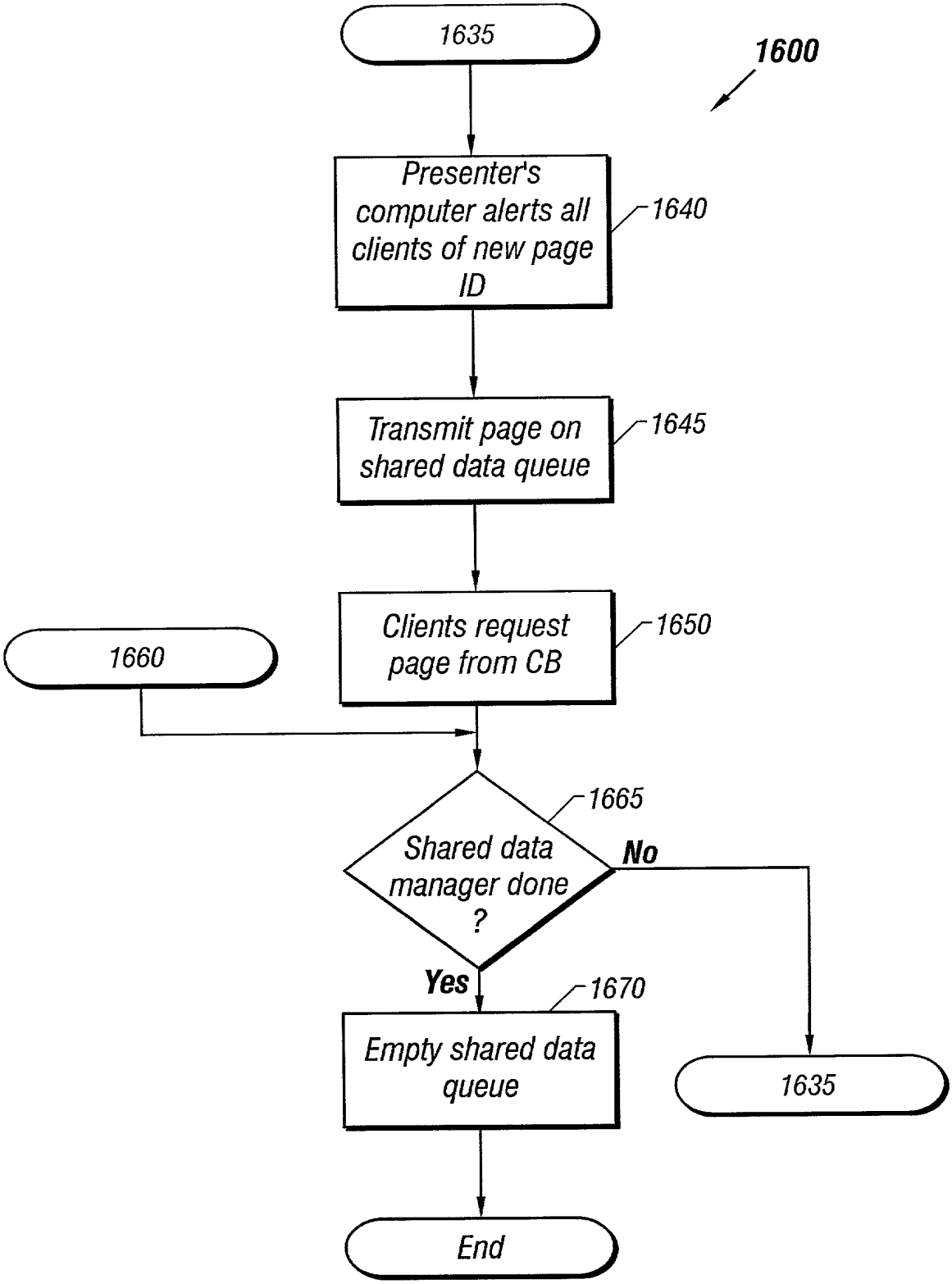

1635
1600
Presenter's computer alerts all clients of new page ID
1640
Transmit page on shared data queue
1645
Clients request page from CB
1650
1660
1665
Shared data manager done ?
No
Yes
1670
Empty shared data queue
1635
End

FIG. 16B

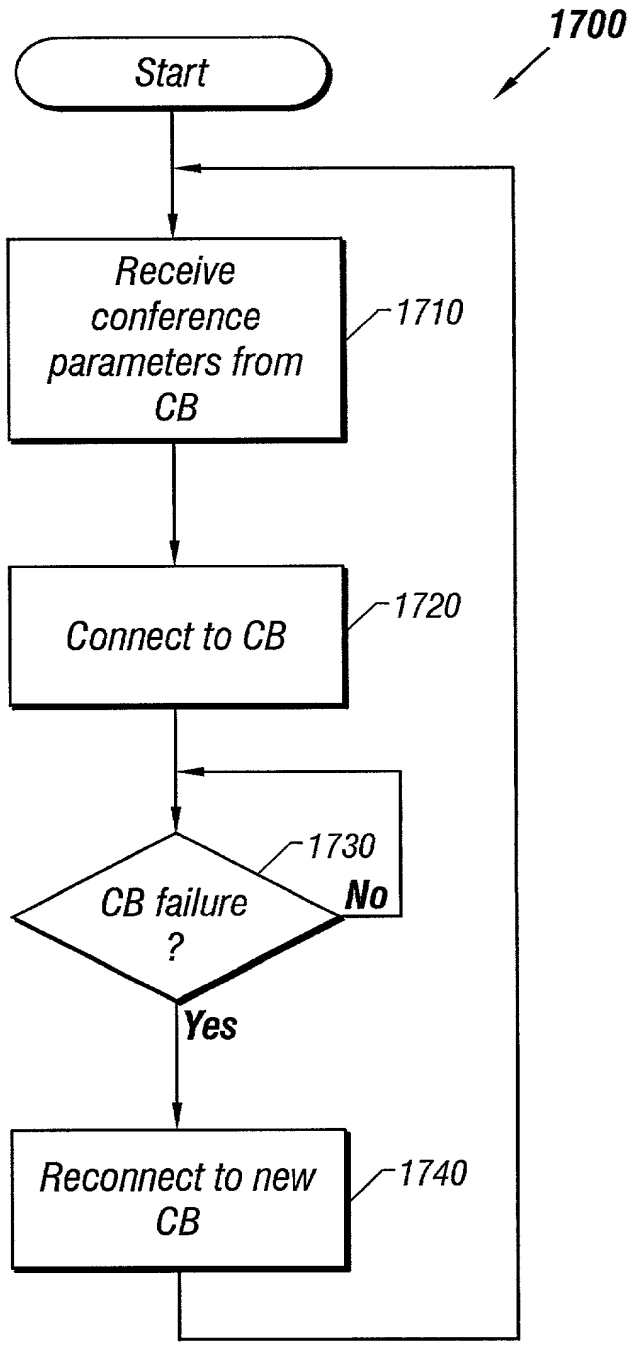

1700
Start
Receive conference parameters from CB
1710
Connect to CB
1720
1730
CB failure ?
No
Yes
Reconnect to new CB
1740

FIG. 17

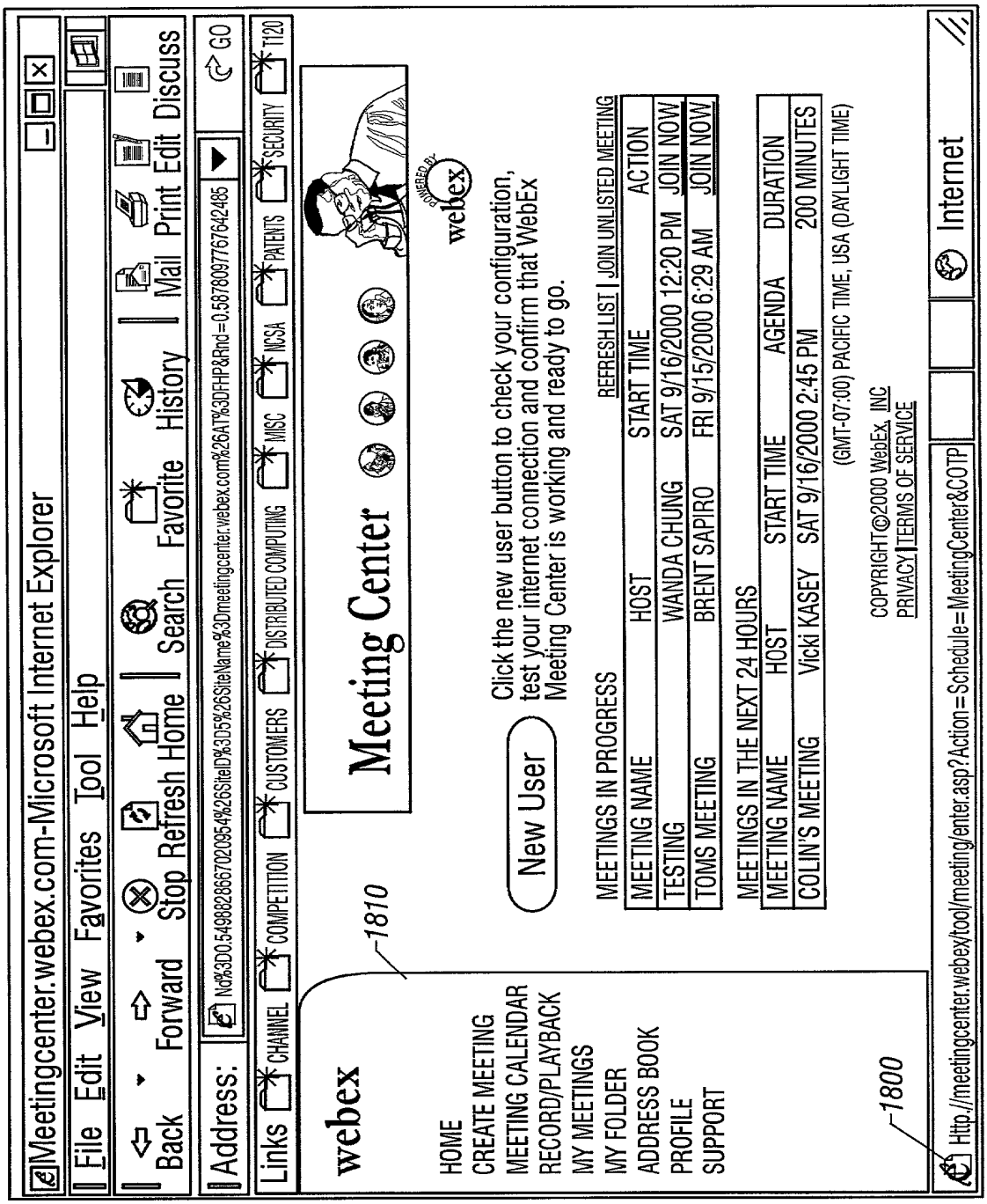

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
1810
Meeting Center
POWERED BY webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
New User
Click the new user button to check your configuration, test your internet connection and confirm that WebEx Meeting Center is working and ready to go.
MEETINGS IN PROGRESS
REFRESH LIST | JOIN UNLISTED MEETING
MEETING NAME HOST START TIME ACTION
TESTING WANDA CHUNG SAT 9/16/2000 12:20 PM JOIN NOW
TOMS MEETING BRENT SAPIRO FRI 9/15/2000 6:29 AM JOIN NOW
MEETINGS IN THE NEXT 24 HOURS
MEETING NAME HOST START TIME AGENDA DURATION
COLIN'S MEETING Vicki KASEY SAT 9/16/2000 2:45 PM 200 MINUTES
(GMT-07:00) PACIFIC TIME, USA (DAYLIGHT TIME)
COPYRIGHT©2000 WebEx INC
PRIVACY | TERMS OF SERVICE
1800
Http://meetingcenter.webex/tool/meeting/enter.asp?Action=Schedule=MeetingCenter&COTP
Internet

FIG. 18A

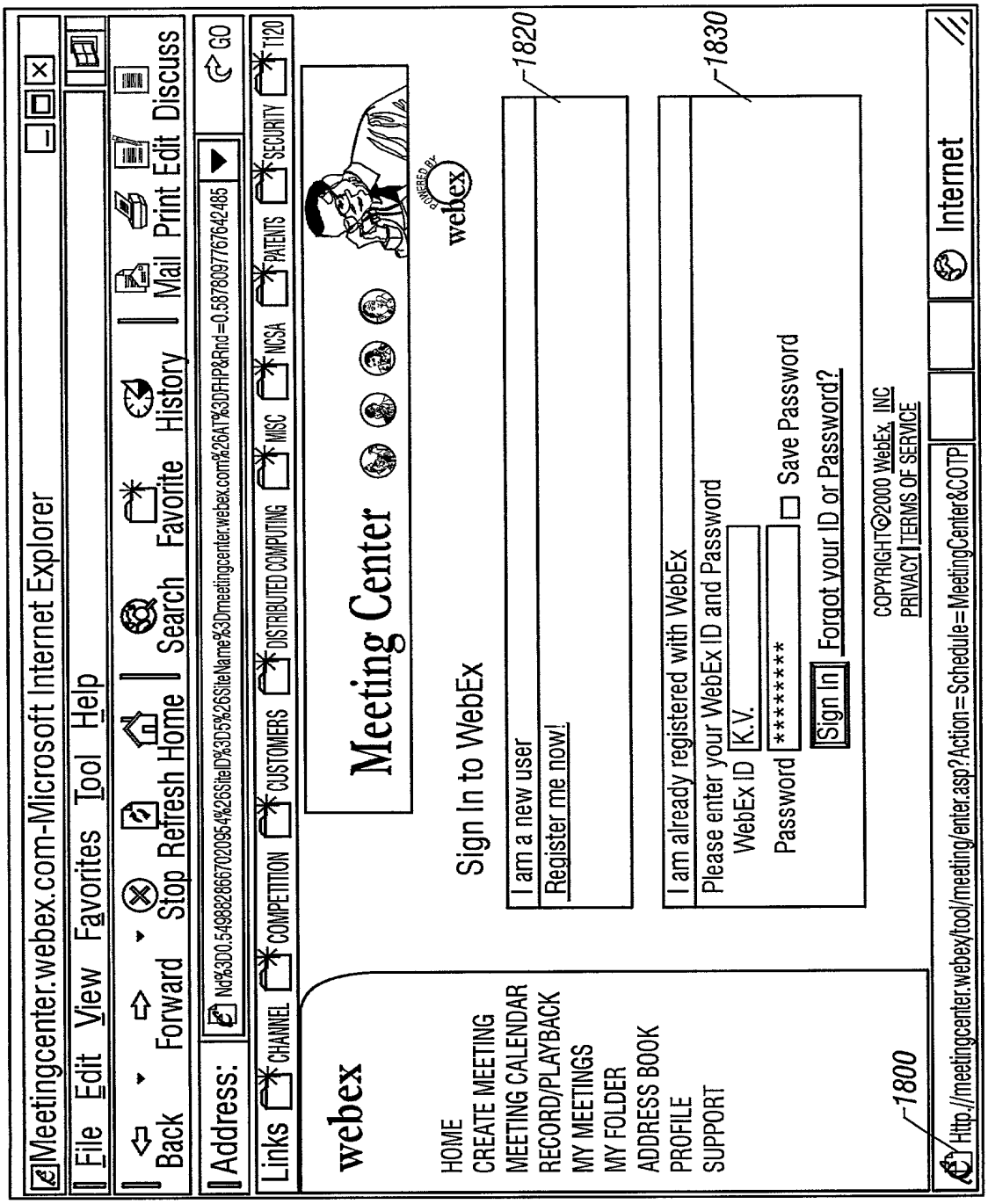

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
1800
Meeting Center
POWERED BY webex
Sign In to WebEx
1820
I am a new user
Register me now!
1830
I am already registered with WebEx
Please enter your WebEx ID and Password
WebEx ID K.V.
Password ********
Save Password
Sign In
Forgot your ID or Password?
COPYRIGHT©2000 WebEx, INC
PRIVACY | TERMS OF SERVICE
Http://meetingcenter.webex/tool/meeting/enter.asp?Action=Schedule=MeetingCenter&COTP
Internet

FIG. 18B

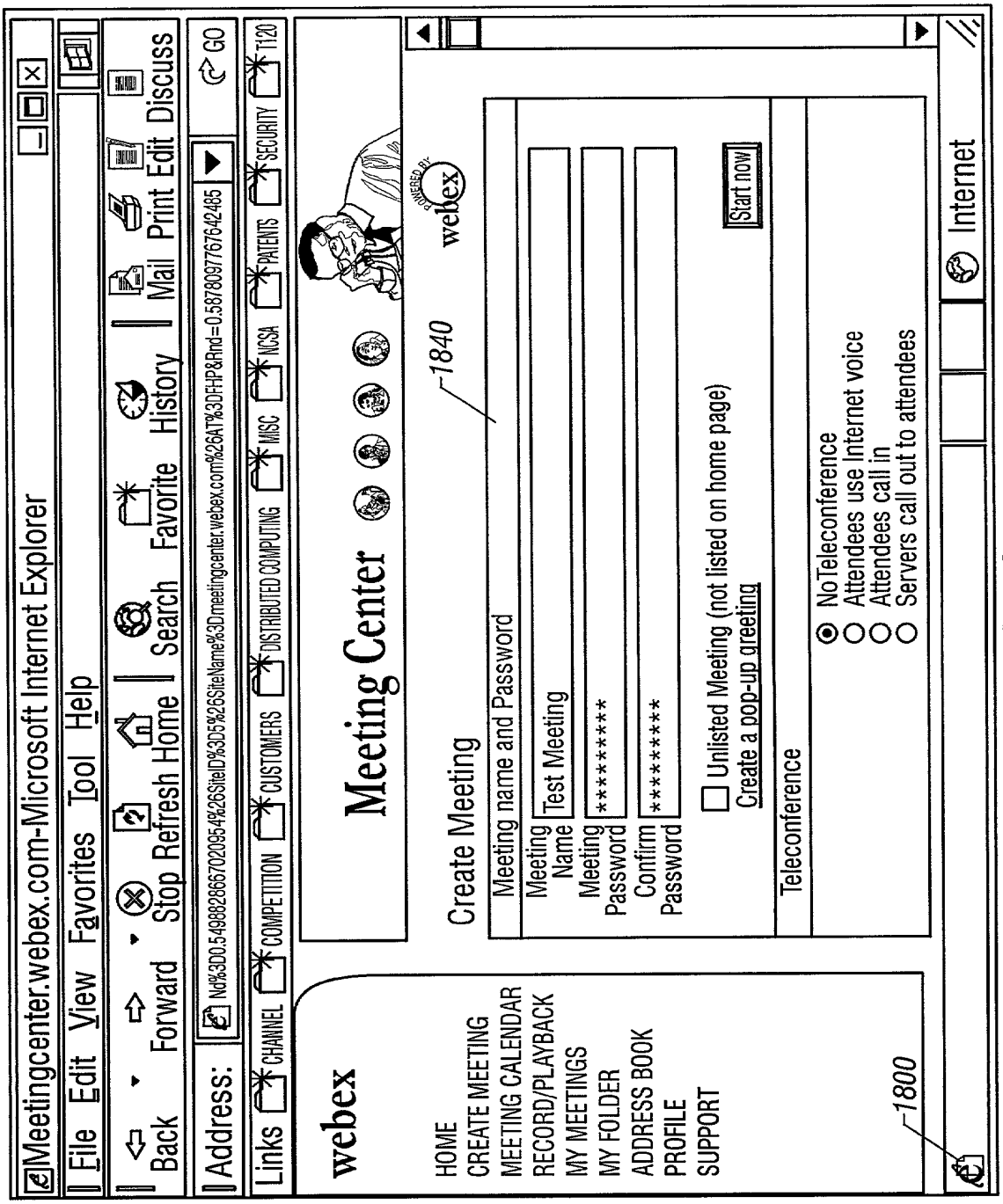

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
1800
Meeting Center
1840
POWERED BY webex
Create Meeting
Meeting name and Password
Meeting Name
Test Meeting
Meeting Password
Confirm Password
Unlisted Meeting (not listed on home page)
Create a pop-up greeting
Start now
Teleconference
NoTeleconference
Attendees use Internet voice
Attendees call in
Servers call out to attendees
Internet

FIG. 18C1

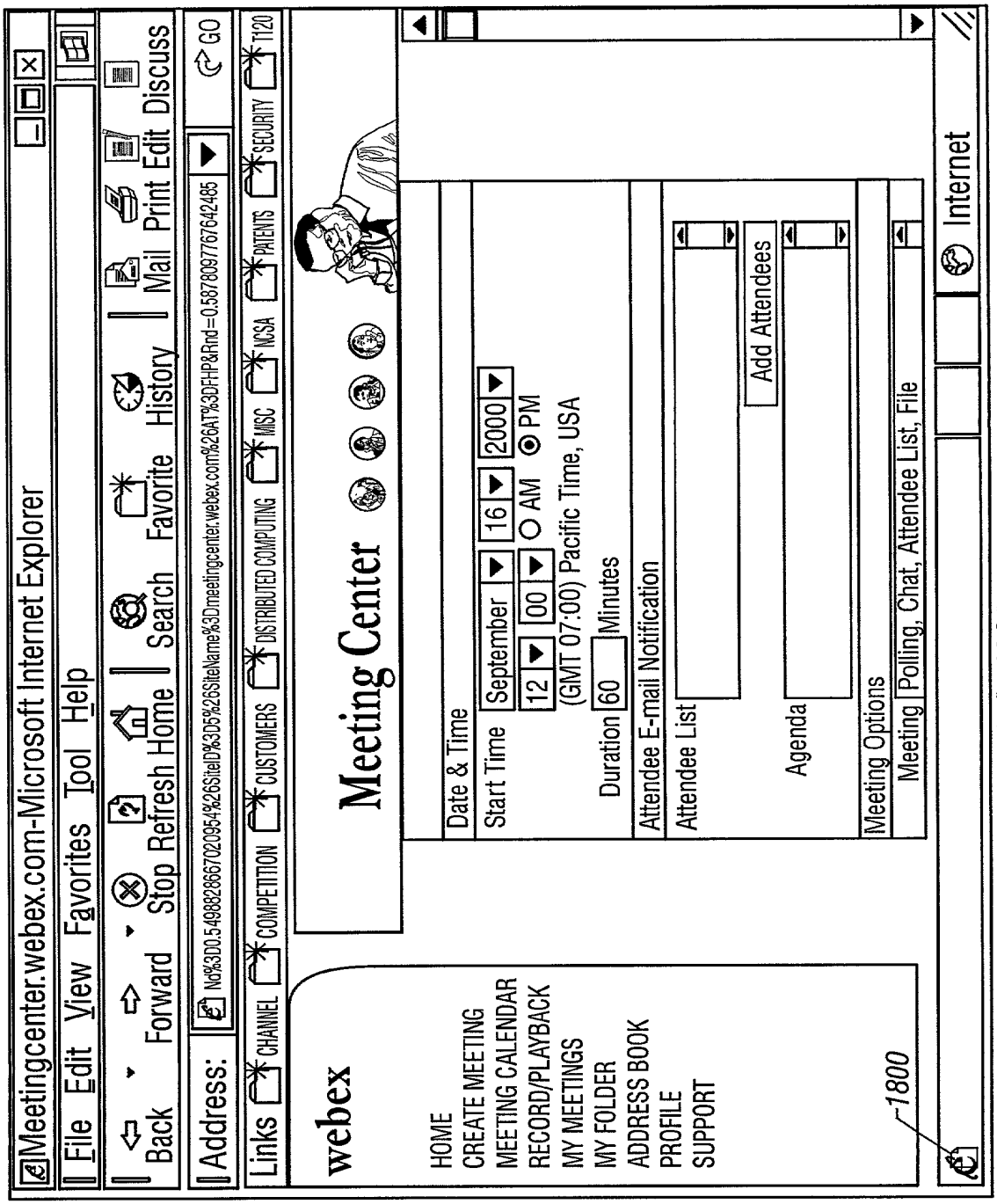

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links
CHANNEL
COMPETITION
CUSTOMERS
DISTRIBUTED COMPUTING
MISC
NCSA
PATENTS
SECURITY
T120
webex
Meeting Center
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
1800
Date & Time
Start Time
September
16
2000
12
00
AM
PM
(GMT 07:00) Pacific Time, USA
Duration
60
Minutes
Attendee E-mail Notification
Attendee List
Add Attendees
Agenda
Meeting Options
Meeting
Polling, Chat, Attendee List, File
Internet

FIG. 18C2

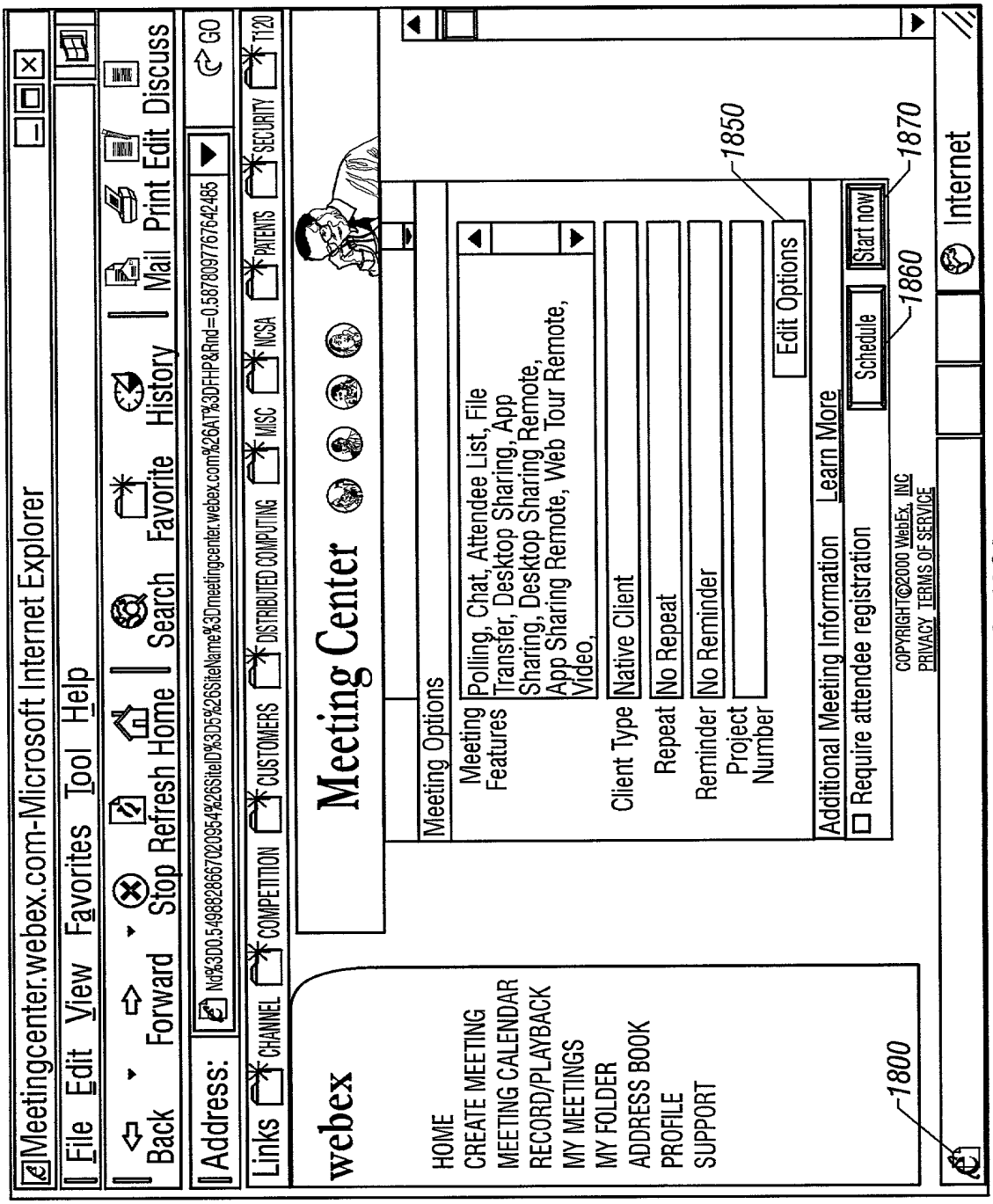

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links
CHANNEL
COMPETITION
CUSTOMERS
DISTRIBUTED COMPUTING
MISC
NCSA
PATENTS
SECURITY
T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
Meeting Center
Meeting Options
Meeting Features
Polling, Chat, Attendee List, File Transfer, Desktop Sharing, App Sharing, Desktop Sharing Remote, App Sharing Remote, Web Tour Remote, Video,
Client Type
Native Client
Repeat
No Repeat
Reminder
No Reminder
Project Number
Edit Options
Additional Meeting Information
Learn More
Require attendee registration
Schedule
Start now
COPYRIGHT©2000 WebEx, INC
PRIVACY TERMS OF SERVICE
Internet
1800
1850
1860
1870

FIG. 18C3

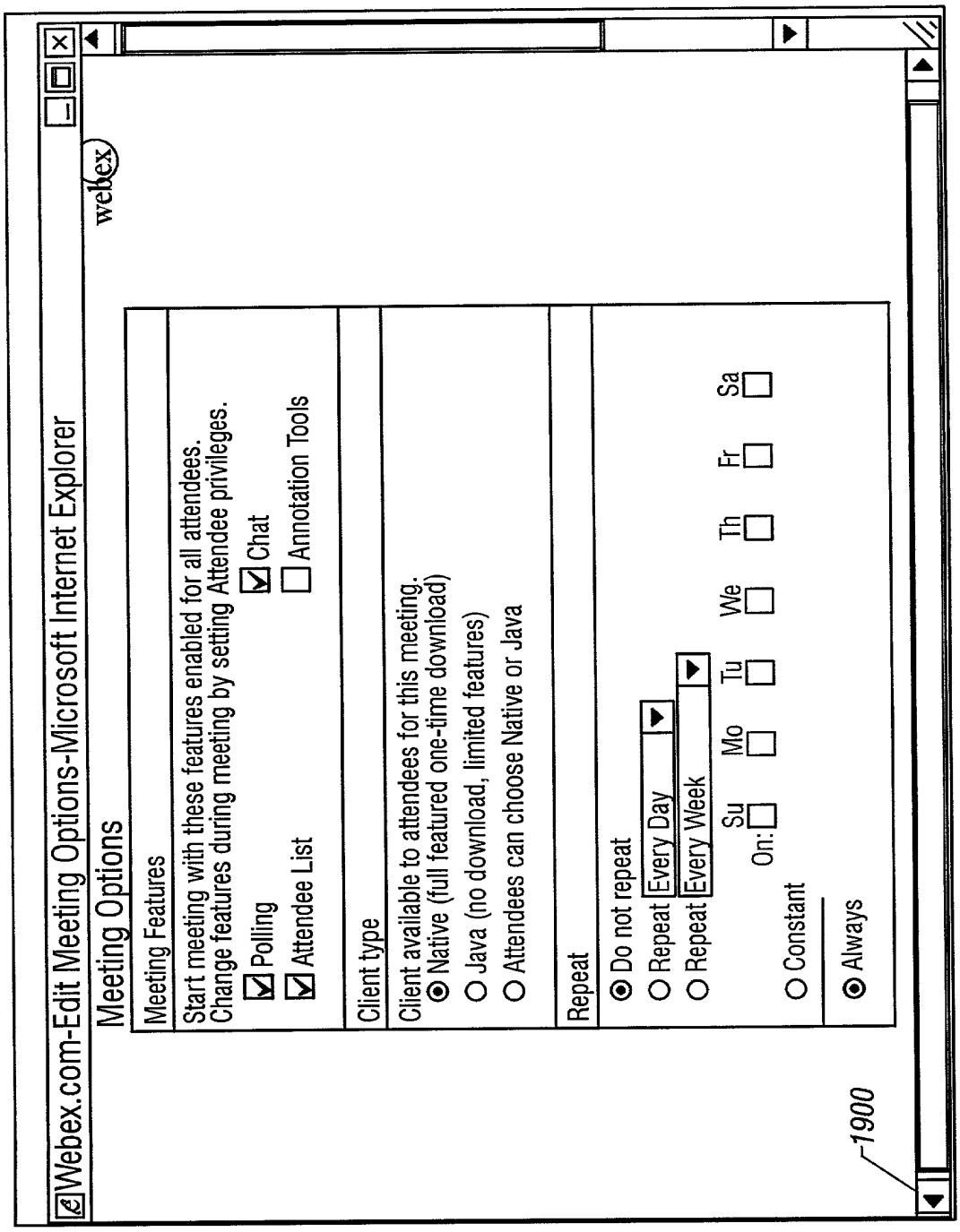

Webex.com-Edit Meeting Options-Microsoft Internet Explorer
webex
Meeting Options
Meeting Features
Start meeting with these features enabled for all attendees.
Change features during meeting by setting Attendee privileges.
Polling
Chat
Attendee List
Annotation Tools
Client type
Client available to attendees for this meeting.
Native (full featured one-time download)
Java (no download, limited features)
Attendees can choose Native or Java
Repeat
Do not repeat
Repeat Every Day
Repeat Every Week
Su Mo Tu We Th Fr Sa
On:
Constant
Always
1900

FIG. 19A

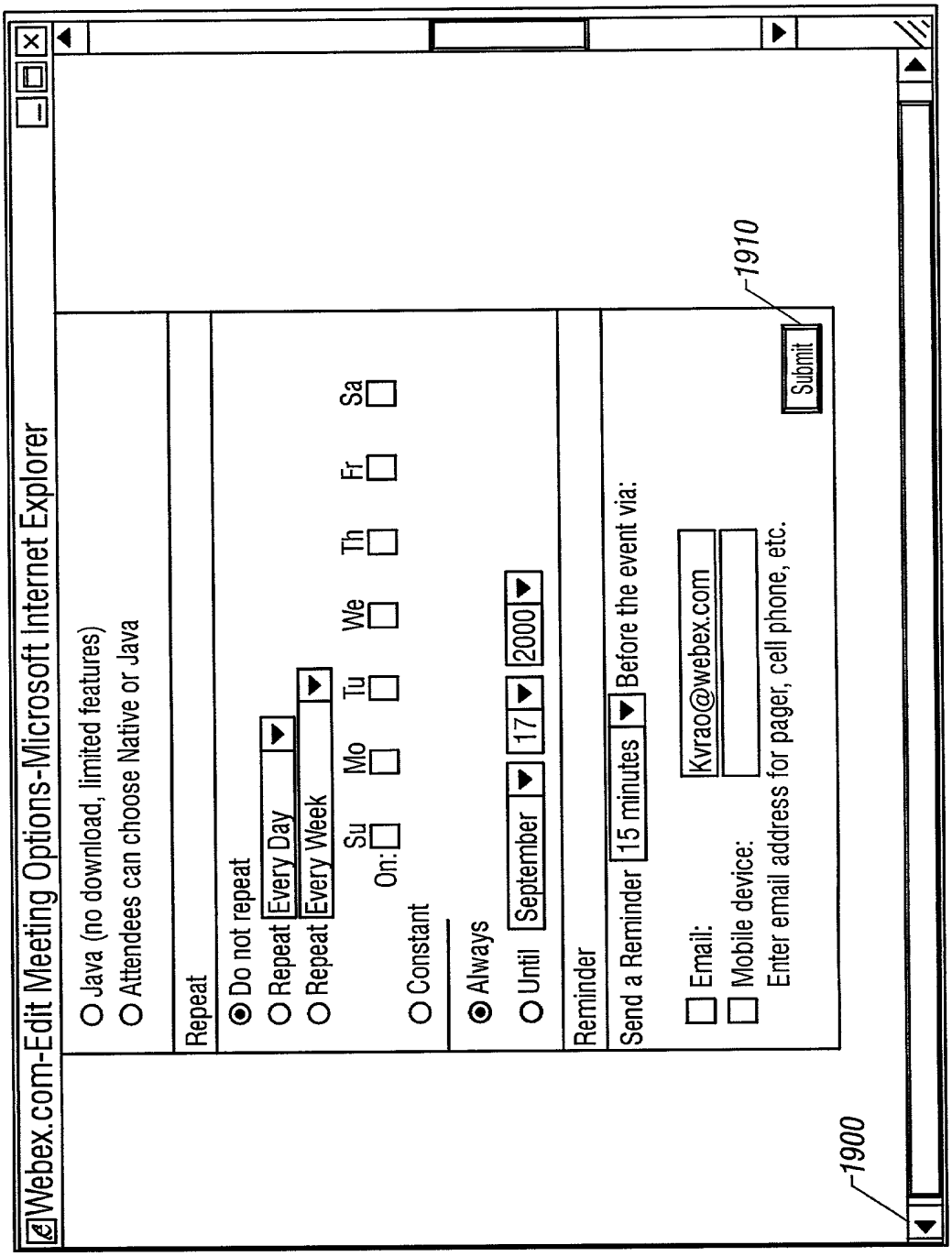

Webex.com-Edit Meeting Options-Microsoft Internet Explorer
Java (no download, limited features)
Attendees can choose Native or Java
Repeat
Do not repeat
Repeat Every Day
Repeat Every Week
Su Mo Tu We Th Fr Sa
On:
Constant
Always
Until September 17 2000
Reminder
Send a Reminder 15 minutes Before the event via:
Email: Kvrao@webex.com
Mobile device:
Enter email address for pager, cell phone, etc.
Submit
1900
1910

FIG. 19B

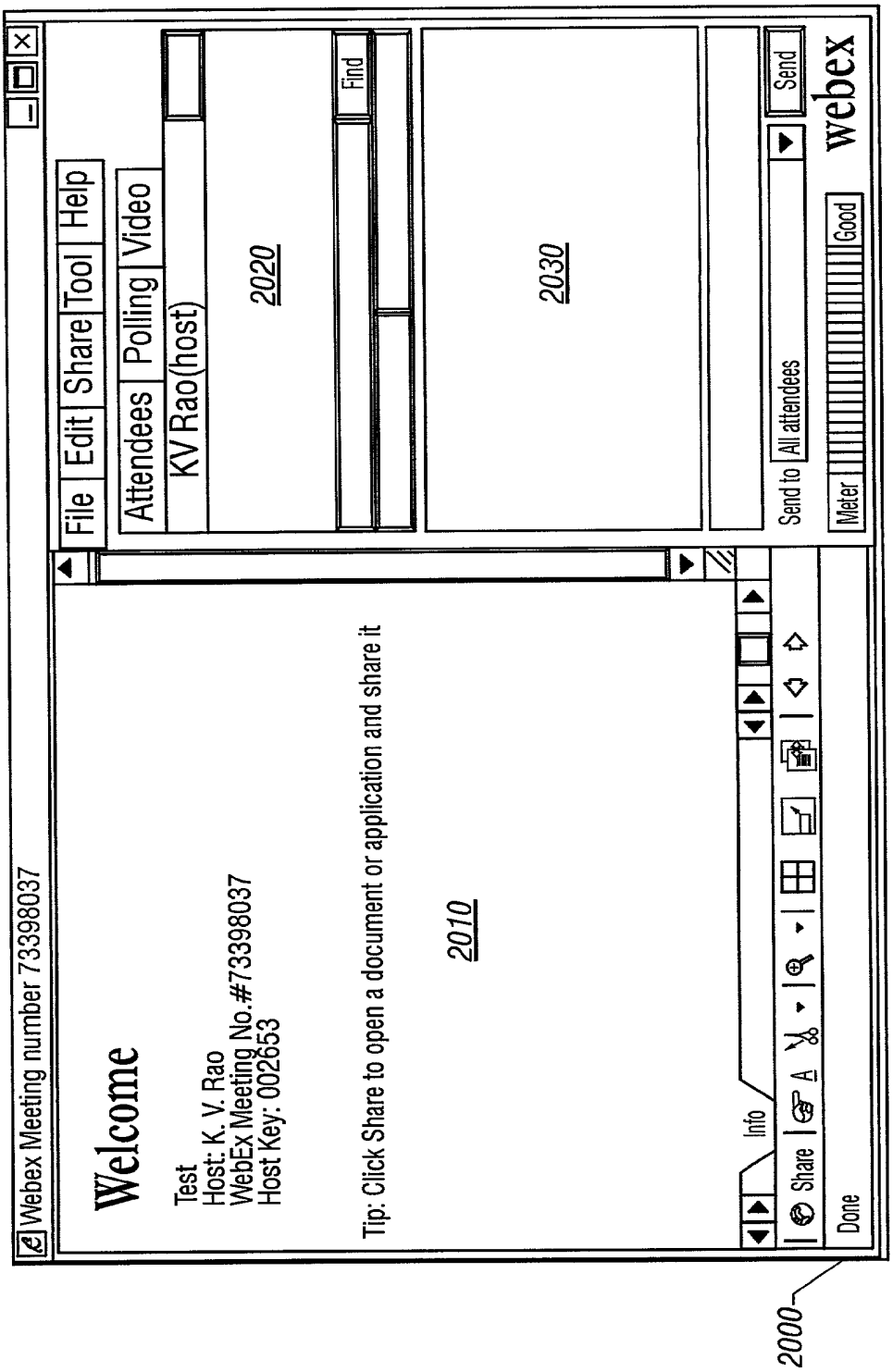

Webex Meeting number 73398037
File
Edit
Share
Tool
Help
Attendees
Polling
Video
KV Rao(host)
2020
Find
2030
Welcome
Test
Host: K. V. Rao
WebEx Meeting No.#73398037
Host Key: 002653
Tip: Click Share to open a document or application and share it
2010
Send to
All attendees
Send
Meter
Good
webex
Info
Share
Done
2000

FIG. 20A

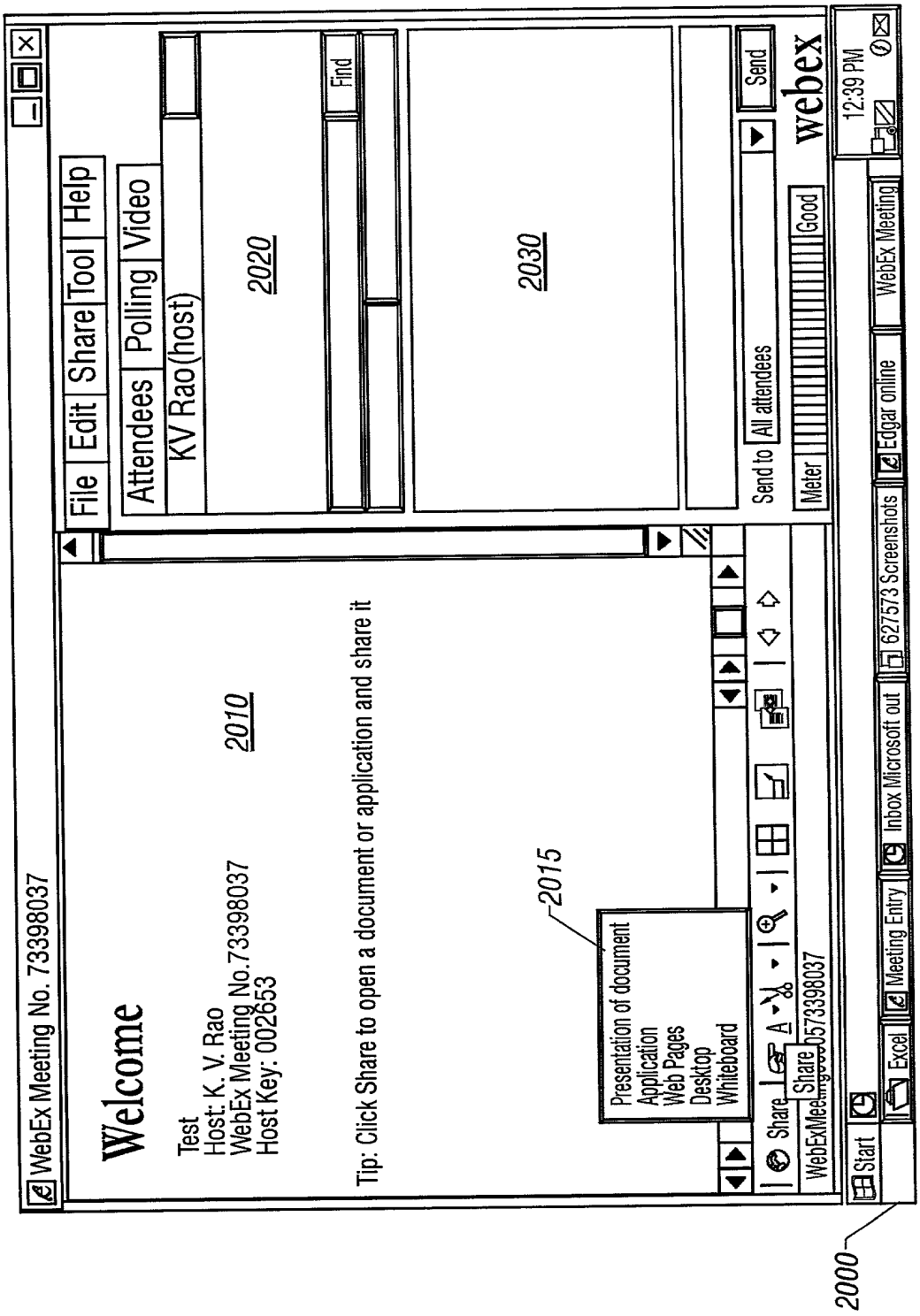

WebEx Meeting No. 73398037
File Edit Share Tool Help
Attendees Polling Video
KV Rao(host)
2020
Find
Welcome
Test
Host: K. V. Rao
WebEx Meeting No.73398037
Host Key: 002653
2010
Tip: Click Share to open a document or application and share it
2030
Send to All attendees
Send
Meter
Good
webex
2015
Presentation of document
Application
Web Pages
Desktop
Whiteboard
Share
WebExMeeting573398037
Start
Excel
Meeting Entry
Inbox Microsoft out
627573 Screenshots
Edgar online
WebEx Meeting
12:39 PM
2000

FIG. 20B

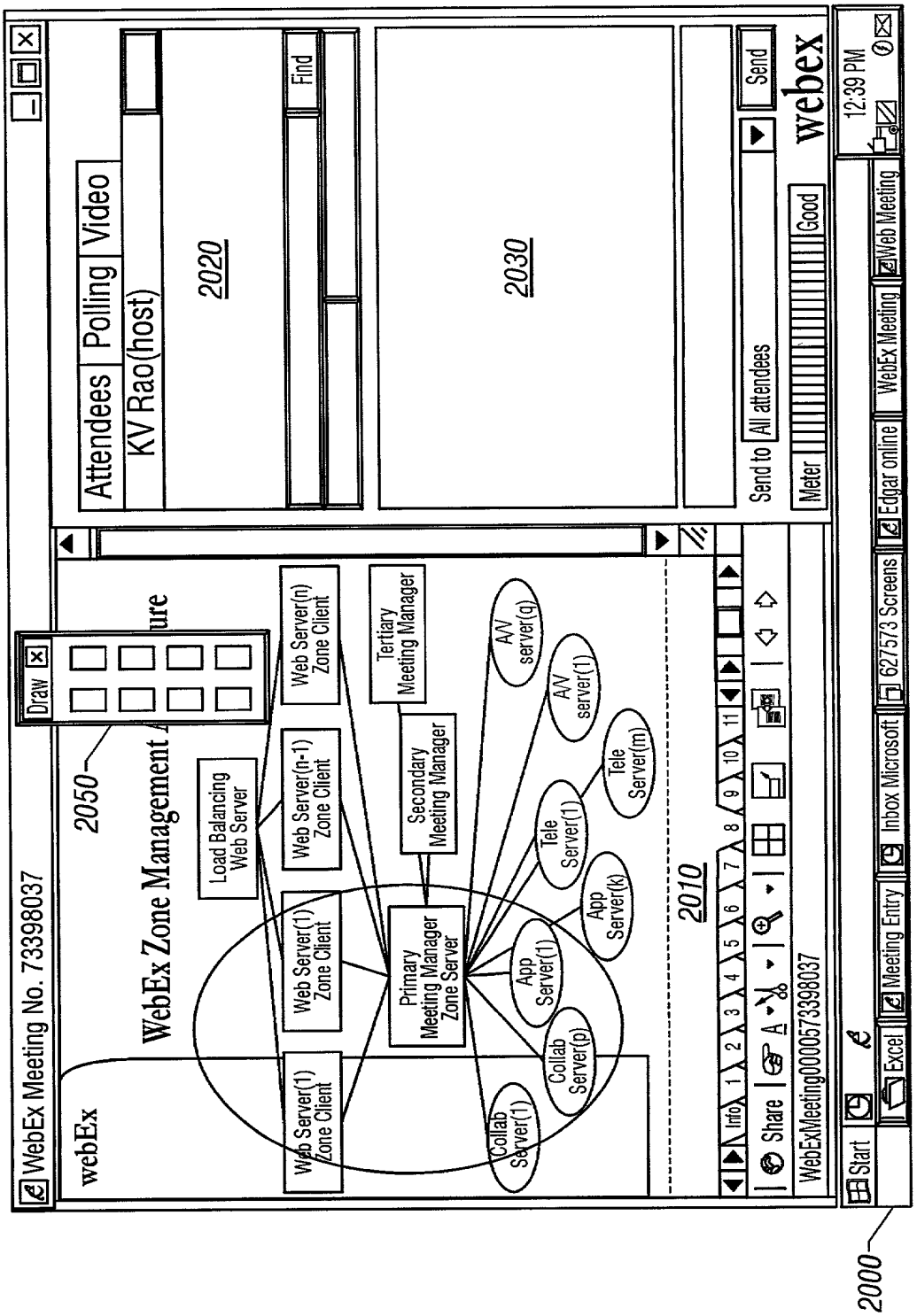

WebEx Meeting No. 73398037
webEx
WebEx Zone Management
2050
Draw
Load Balancing Web Server
Web Server(1) Zone Client
Web Server(n-1) Zone Client
Web Server(n) Zone Client
Primary Meeting Manager Zone Server
Secondary Meeting Manager
Tertiary Meeting Manager
Collab Server(1)
Collab Server(p)
App Server(1)
App Server(k)
Tele Server(1)
Tele Server(m)
A/V server(1)
A/V server(q)
2010
Attendees
Polling
Video
KV Rao(host)
2020
Find
2030
Send to
All attendees
Meter
Good
Send
webex
Info
Share
WebExMeeting000573398037
Start
Excel
Meeting Entry
Inbox Microsoft
627573 Screens
Edgar online
WebEx Meeting
Web Meeting
12:39 PM
2000

FIG. 20C